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SUBMISSION

STANDARDS DEVELOPMENT BRANCH OMCE
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SITE IDENTIFICATION STUDY

Summer 1979

ENVIRONMENT ONTARIO

YORK UNIVERSITY

Environmental Studies

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1979
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ACKNOWLEDGEMENTS

REGISTERED PROFESSIONAL ENGINEER
PROVINCE OF ONTARIO

TSOIA, JR.

L. Ficzere

The researchers wish to acknowledge the invaluable assistance given to them by the literally hundreds of persons throughout the study area who so willingly took time to provide information.

Also, the researchers wish to acknowledge the indispensable help and information given by the Regional and District Office staff members of the Ministry.

Finally, acknowledgement and grateful thanks for their efforts in guiding the study are due to Mr. Les Ficzere and Mr. Martin Wood, Head, Solid Waste Unit.

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STUDY PERSONNEL

Jack B. Ellis, Study Coordinator, Professor in Environmental Studies, was assisted by four other faculty members who had specific responsibilities in the training of the research team and in the review of the research reports. They are Suzanne Barrett, James Cameron (Atkinson College), Peter Homenuck and David Morley.

The research team was composed of ten graduate students presently enrolled in the Masters of Environmental Studies Program. They were assigned as follows:

Southwestern Region

Marilyn Minden. Marilyn is a Registered Nurse and also holds a BA from U of T in 1977. She has several years of nursing experience, including public health work. Her present studies concentrate on health hazards in the work environment.

Judy Thompson. Judy obtained a BA in Economics from UW0 in 1977, following up with work in geography and political science. She has worked for the coast guard, and for the BC Land Use Secretariat in 1978. Her present studies focus on public participation in environmental management.

Gabriel Tobar. Gabriel obtained his degree in Forestry Engineering in 1972 in Colombia. He worked a year as a consultant on forest inventories, then participated for 5 years in running his own company doing reforestation, logging and inventory work. Present studies are on an ecological approach to forest development.

West-Central Region

Maurice Ford. Maurice has a BA in Sociology and History from York. His work experience includes studies for various community and social planning projects. Present studies focus on social and environmental planning.

Jeff Tomlinson. Jeff obtained a BA in Urban Geography from University of Toronto's Scarborough College. He has worked for the Scarborough board of education and has done land use analysis studies. Present studies center on community and urban planning.

Central Region

Dennis Sandor. (June and July) Dennis obtained his BSc in Biology from McGill in 1976, concentrating in ecology. His work experience includes both commercial photography and accounting. Present studies focus on the role of communications and media in environmental issues.

Glen Taylor. Glen holds a Bachelors in Business Administration from the UNB. He has coordinated UNB's small business consulting program and has experience in computer applications. Present studies focus on technological assessment and international business.

Henry Tom. Henry graduated from UBC in 1976 with a BSc in Zoology, followed by a year of social sciences. He has work experience with the Vancouver parks board and programming for community centres. His present studies concentrate on environmental planning.

Southeastern Region

Ken Jones. Ken has a BA in Geography and Law from Carleton. His work experience includes being an industrial representative in Eastern Ontario and Quebec for a major oil company. Present studies focus on urban planning.

Margaret Warren. Marg has a BA in Geography from the U. of Guelph. Her work experience includes work for the NCC and doing soil surveys and cartography for the U. of G. Present studies center on urban planning.

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SITE IDENTIFICATION STUDY

SYNOPSIS AND RECOMMENDATIONS

Prepared by:
Jack B. Ellis
Study Coordinator

OVERVIEW OF THE PROJECT

The Site Identification Study was undertaken by the Faculty of Environmental Studies, York University, on behalf of the Waste Management Branch, Ontario Ministry of the Environment (MoE). The study commenced in late May, 1979, and the final report was prepared in late October, 1979. The field identification program was conducted between June 4 and September 7, 1979, involving ten graduate student researchers. In addition to the Study Coordinator, Dr. Jack B. Ellis, four other faculty members were involved in preparing the students for the field work and in reviewing their reports on a regional basis.

The purpose of the study was to identify, insofar as was feasible, all sites that were used for waste disposal prior to the time of introduction by the MoE of certification procedures for such sites. In most areas, this means sites used prior to 1971. In addition, sites used at any time without the knowledge of the Ministry were also to be included. Although in some cases, the MoE had some knowledge of the existence of early waste disposal sites, the study also endeavoured to ascertain as much as possible. A survey form provided by MoE was designed to record, in the ideal case where informants could be found who had the necessary knowledge, as much detail about early waste disposal sites as there is about current certified sites. A single system of information storage and retrieval could thus be implemented for all waste sites, current and past.

The requirements of the field work phases of the study were to identify the older waste sites, and to gather as much information as possible on them without requiring direct site investigations, such as boring, digging or other testing. On the other hand, all sources of secondary information were to be used, such as local officials and residents, archives,

files and visual observation of the sites.

The area covered by the York University researchers comprised all counties and regional municipalities in the four southerly regions of the

MoE:

South-Western Region (London)

London District:

Elgin
Middlesex
Oxford

Chatham District:

Perth

Owen Sound District:

Kent

Bruce

Grey

Sarnia District:

Huron

Windsor District:

Lambton

Essex

West-Central Region (Stoney Creek)

Stoney Creek District:

Haldimand-Norfolk

Cambridge District:

Hamilton-Wentworth

Brant

Dufferin

Waterloo

Welland District:

Wellington

Niagara

Central Region (Don Mills)

Toronto District:

Durham

Halton

Peel

York

Metropolitan Toronto

Barrie District:

Simcoe

Gravenhurst District:

Haliburton

Muskoka

Peterborough District:

Northumberland

Peterborough

Victoria

South-Eastern Region (Kingston)

Kingston:

Hastings

Frontenac

Leeds and Grenville

Lennox and Addington

Prince Edward

Cornwall:

Prescott and Russell

Ottawa:

Stormont, Dundas and Glengarry

Lanark

Ottawa-Carlton

Renfrew

In all of the above 38 Counties, United Counties and Regional Municipalities, there are some 613 separate municipalities and many thousands of industries. The approximately 620 person-days of field research, coincidentally, was approximately equal to the number of municipalities. In all, the researchers travelled nearly 120,000 kilometers in their search for old waste disposal sites and information concerning these sites.

While the separate sections of this report will provide details of the process used, the numbers of sites and some general comments, we note here the totals by MoE Region:

	<u>No. of sites identified</u>
South-West	352
West-Central	214
Central	327
South-Eastern	<u>212</u>
Total	1105

By no means all of the above sites were completely unknown to the Ministry. Some identification was found in files at district offices - usually just a location, occasionally a few details - for 740 of the sites identified, or about 67% of the sites.

The objective of the Site Identification Study was not to evaluate or assess the degree of hazard or other problems that any individual site might pose. Rather, it was intended as a first identification of sites, on the basis of which priorities could be set by the Ministry for a second phase of testing, followed by a third phase of remedial action as necessary. York University's study was thus a part of the first phase only of such a process. Nevertheless, to aid the Ministry in proceeding further, two steps were taken. First, any evident serious problems were reported promptly to the district officials of MoE by the researchers. Very few of such reports were necessary, and they are noted in the later sections. Second, it was decided to provide a listing of brief summary characteristics of all sites.

A fuller discussion of the adequacy of the coverage of the four regions is provided later in this section, but a few points are noted now. It was not expected to be physically possible to cover every portion of the whole area at the required intensity to identify definitively all possible sites. We set ourselves the objective, however, of covering the whole area in enough detail to determine what more needed to be done to truly complete a site identification process. There were several areas where a number of small municipalities were not contacted, virtually all in thinly-populated rural areas such as Haliburton, Simcoe, Bruce and Grey Counties and some south-eastern areas such as Renfrew County. We suggest that these areas are likely to be unproductive of old sites or problems therewith. More important gaps lie in three areas: coverage in the Metropolitan Toronto area, which is suggested for treatment as a special case; coverage of industrial sites in and adjacent to Metropolitan Toronto and the "industrial horseshoe", for which a special process is proposed; and coverage of the three counties in the Peterborough District, suggested for straight-forward follow-up.

Our more detailed descriptions of the research in each county and MoE District follows this section. To appreciate all available details on any specific site requires an examination of the relevant original survey form, keyed to the county location maps. These are provided in separate folios. The remainder of this section provides fuller comments on some of the overall findings of the study, with some recommendations for proceeding further on the gaps noted above.

GENERAL APPROACH TO IDENTIFICATION

The starting point for our researchers was, in each MoE District, the District Office of the Ministry. There, the researchers discussed the general status of the knowledge available in files and other correspondence regarding older waste sites falling within our terms of reference. In each case, the researchers were directed to follow in-office practices suggested by the District. Usually, they were to make direct contact with the municipalities to document municipal and private sites. Through this process, they were to become familiar with the area and with local informants,

sufficient to aid them in following up with searches for sites used for disposal of industrial wastes. Contacts with industries were pursued only with the knowledge and consent of the relevant Industrial Abatement Officer.

All District Offices had some basis of information concerning older waste sites. Some districts had conducted a complete survey of all municipalities in their areas, requesting information on older sites and had followed up with telephone calls on other contacts to ensure complete response, even if the response was that no such sites existed or were known to the municipality. Others had contacted only the larger or more important municipalities.

The degree of detail received varied widely. The phrase "identified in MoE files" will appear frequently in the later sections of this report, and the reader must realize that there is a wide range on the amount of available information about site so "identified". In most cases, the sites were listed with a general location, such as street intersections or lot and concession identifier. In a few cases, there would only be a note that a particular municipality contained such a site. In some cases, however, the Ministry or the municipality had already investigated or tested the sites, and much more information was available on file. The present survey was greatly facilitated in such cases, although further effort was usually necessary in the attempt to obtain all data called for by the study survey form.

Frankly, there were few if any cases where the complete details called for by the survey form could be obtained from informants and a site observation. Such items of data as depth of waste and level of the ground water table are most frequently absent. More serious is the frequent lack of information on the type and composition of wastes in the site. The cases causing some concern are those where municipal and industrial wastes were disposed of in the same site. It is rare to find an informant who could say what type of industrial wastes were deposited in an older site, or even what proportion they might be of all wastes. Occasionally, an identification of an industrial user could be made, sometimes with the period of use. More often, our researchers discovered only that "there might be some drums of something a few feet under", or some similarly vague reply. This situation is not

surprising in view of the time interval that has passed, the lack of control and record-keeping that prevailed in earlier days, and the very small number of possible informants who could have had any knowledge, even at the time, of what wastes actually were being deposited in specific sites.

Our best informants at the municipal level, as noted in the individual reports following, tended to be long-service employees in roads or public works departments, experienced municipal clerks, and older or former council members. Many other persons contributed information, however, as noted individually in reports and on the survey forms.

Contacts were generally made with Public Health Offices and the Ministry of Natural Resources, with some information being obtained as noted. Overall, however, such sources were not major contributors of information.

Local historians were productive contacts in a few areas, but true archival research was not found to be productive. Archives may show the location of an early industry, but the modern site may be impossible to find and it may or may not be where the wastes were deposited.

COMPLETENESS OF COVERAGE

Geographic Coverage: There are two categories of gaps in our coverage of the geographic areas included in the present study:

- a) some small rural municipalities were omitted in the South Western and South Eastern Regions and in Haliburton and Simcoe, mainly as a result of setting priorities for coverage within the available time,
- b) in the Central Region, coverage of only the larger municipalities in the three counties of the Peterborough District, the reasons for which are noted in detail in the relevant report section on the District; and the uneven coverage of areas in Metropolitan Toronto, particularly in the City of Toronto, occasioned both by our loss of a researcher due to illness and the unusual demands of the research in that area.

Municipal and Private Coverage: The coverage of such sites, with the exception of the second category of geographical gaps noted above, is assessed as being fairly complete. Probably no more than another 60 - 80 sites would be identified if all municipalities noted in (a) above were contacted. This number is purely speculation on our part, of course. It is unlikely that any serious problem sites would be among them. Owing to the dispersed nature of these municipalities and the difficulty of contacting their employees, who are often part-time, about 200 person-days (or about one-third of the present field effort that produced over 1,100 sites) might have to be devoted to this coverage.

The coverage of municipal and private sites in the gap areas (b) above are discussed separately, as recommendations in the last portion of this section.

One point that must be noted, and one that will have a dramatic (though environmentally unimportant) impact on the number of sites, is the minimum of threshold size of site to be covered. As noted earlier, our researchers had to depend mainly on identifications made by informed local respondents. Most of these sites had been used in some organized way in the past. In some cases, they would discover sites fortuitously themselves just by driving past them, but virtually all of such sites are in the smaller size ranges and usually amount to little more than informal roadside trash dumps. In some municipalities, however, highly cooperative local respondents identified sites right down to the smaller roadside dump. Examples of this are Tiny and West Gwillimbury Townships in Simcoe County, where some 25 sites were found in total. Comparing these results with other comparable areas suggests that three to four times the number of sites usually experienced could be found in such cases. While the examples cited may be extremes of their type, it is quite possible that a detailed lot-by-lot coverage of the four Regions would turn up another two or three thousand small or truly forgotten waste sites.

Again, we must state that we are fairly confident that few if any of this large potential number will turn out to be environmentally hazardous. Perhaps the only feasible way of locating any such sites that might be potential problems would be through comprehensive remote sensing with multi-spectral scanning techniques.

Industrial Coverage: The assessment of the adequacy of our coverage of industrial waste sites must be made on an area basis. In the South Eastern Region, there are relatively few industrial areas and, with the exception of abandoned mining areas (not surveyed in our study), they are localized. The Ministry has already taken steps to identify and deal with industrial sites in this Region, and we can suggest little to add to what is already going on.

The situation is different in the other three Regions, however. In the South Western Region, our researchers contacted a relatively high proportion of industries; in the West Central Region, a small proportion were surveyed; but in the Central Region our coverage is very limited. While we believe that some useful information was obtained from the process we followed in the study, we feel that the question of tracking the disposal of industrial wastes in earlier times should be addressed in a completely different manner.

We suggest, in more detail in our recommendations section below, that a small team be set up composed of persons familiar with the variety of technical processes used both currently and in past decades in various sectors of industry.

RECOMMENDATIONS

1. With respect to filling the coverage gap in the Peterborough District, we recommend that an effort similar in approach to that followed in our study process elsewhere be mounted to complete the coverage of the municipalities not contacted by our researcher. This effort might be expected to require 20 to 30 person-days of field work.
2. With respect to filling in the survey coverage of the City of Toronto, we recommend a special effort be mounted.

The City of Toronto poses a special case. As noted in the report on the City, there may be a great number of sites in addition to those listed that were landfilled many decades ago. If it is decided that all such sites should be identified and described insofar as possible, special techniques will have to be evolved since few if any informants

will have living memory of the sites. In this case, archival techniques will be essential, perhaps based on comparing any available time-sequences of urban development maps and topographical maps to discover areas that may have been filled, with special emphasis on the waterfront, railway or other industrial areas. Up to one person-year may be the necessary level of effort.

We are unable to attach any particular priority to the latter portion of this recommendation. Clearly, many sites have been land-filled, perhaps partially with garbage; but few will present current problems. On the other hand, industries presently or formerly located in the city must have disposed of their waste somehow, and remains of earlier sites may not be problem-free.

3. To complete the coverage of the smaller rural municipalities omitted in the present study from shortage of time to cover them, consideration should be given to an effort of approximately 200 person-days of field work to follow the study process through in these areas. The priority attached to this recommendation is relatively low since, as noted earlier, there were rational grounds for omitting them in the present study.

4. To address the question of industrial waste disposal in earlier times we suggest that a sector by sector approach be taken using persons with specific technical backgrounds in industrial processes. Our researchers, where time permitted, made a significant start on obtaining information, but they had no means of checking the data provided by informants or of posing specific technical questions that could elicit further information. On the other hand, a small unit of persons to do this could be formed from specialists in the most important generic types of industrial processes. It would also be important for each specialist to know the historical variations in process technology in his sector of expertise, so that earlier industrial situations can be fully understood. The unit could concentrate on types of industry in some prioritized sequence, irrespective of geographical location, or a diversified unit could concentrate on all industries in a given sequence of districts.

SUMMARY FOR WEST CENTRAL REGION

Researchers: Maurice Ford, Jeff Tomlinson

The researchers compiled information on 214 sites identified in this Region. The predominant physiography includes the Niagara Escarpment as well as agricultural lowlands and fruit-growing areas. Considerable industrial development characterizes this area, with major concentrations of heavy industry being located in Hamilton and Niagara, with mixed industry in all of the larger urban centres.

In many of the agricultural areas, old waste disposal sites were small and relatively remote from development. In the urban areas, however, sites tended to be larger and a significant proportion have had residential or industrial development on or adjacent to them. Earlier problems from gas migration, particularly in Kitchener, have resulted in most cities having already documented former waste sites, and the MoE is aware of these studies.

As noted in the following sections and site listings, a large number of sites identified were already known to the Ministry from earlier inquiries. In the Cambridge area, the District Office had had many sites documented by a summer student in 1979.

The coverage of municipalities contacted is essentially complete in this Region, but further industrial follow-up may be warranted, especially around the more densely-developed centres.

SUMMARY TABLE, WEST CENTRAL REGION

<u>District/County</u>	<u>Total# identified</u>	<u>current cert.</u>	<u>former cert.</u>	<u>other MoE files</u>	<u>newly ident.</u>
<u>Stoney Creek</u>					
Haldimand-Norfolk	42	-	-	32	10
Hamilton-Wentworth	<u>23</u>	<u>-</u>	<u>4</u>	<u>15</u>	<u>4</u>
Sub-totals	65	-	4	47	14
<u>Welland</u>					
Niagara	52	1	4	26	21
<u>Cambridge</u>					
Brant	24	-	-	14	10
Dufferin	8	-	5	2	1
Waterloo	45	-	3	41	1
Wellington	<u>20</u>	<u>1</u>	<u>5</u>	<u>3</u>	<u>11</u>
Sub-totals	97	1	13	60	23
TOTALS	214	2	21	133	58
(%)	(100%)	(11%)	(62%)	(27%)	

STONE CREEK DISTRICT

Regional Municipality of Hamilton-Wentworth

(Maurice Ford and Jeff Tomlinson, July 5-16, 1979)

This Region has a population of over 400,000 and represents one of the most concentrated areas of heavy industry in Canada. It also has some highly productive agricultural lands within its boundaries. There are only six municipalities and all were fully covered, along with three industries.

The Regional Municipality had done a survey of old waste sites in early 1979, discovering 18 in all. The present study found five more, one of which the MoE district already had recorded. The total of sites identified is thus 23, of which 19 were known to MoE. Some sites where inert wastes were dumped into burned areas of Hamilton Bay are known to MoE, in addition, and coverage of these was not duplicated in this study.

Of the sites identified, 10 of the 13 in Hamilton are under or near development, some of which is heavy industry. Site 8022 in Ancaster is the site of a school; all 4 sites in Dundas are fairly close to water and two (8023 and 8028) have development nearby, while 8027 near the arena had a gas problem formerly. Otherwise sites were relatively unproblematic (see listing for characteristics in brief).

Industries surveyed were

Sherwood Farms, Dundas - private site 8033

Burlington Steel, Hamilton - used Stelco site for slag,
also municipal sites

Barnes and Waterdown Co, Hamilton - used Hamilton municipal
sites

REGIONAL MUNICIPALITY OF HAMILTON-WENTWORTH, SITE LISTING

Site#	Location			Remarks	Closed	Status	
	Twp.	Lot	Conc.			Cert.	MoE files
0027	Hamilton			recreation area	1927	no	yes
	King opp.						
	Basilica						
0028	Hamilton			public works warehouse on	1929	no	yes
	Hill St. Yard			site			
0029	Hamilton			40 m. to Stelco warehouse	1930	no	yes
	Chatham nr. THB						
0030	Hamilton			200 m. to houses	1948	no	yes
	King & CPR						
0031	Hamilton			vacant industrial, 300 m.	1974	no	yes
	Chedoke &			to houses			
	Hearnies						
0032	Hamilton			warehouse on site portion	1922	no	yes
	Eastwood Park						
0033	Hamilton			40 ha. area built up with	1940	no	yes
	Burlington St.			industry and housing			
0034	Hamilton			20 ha. area with industry	1942	no	yes
	Burlington &			on site			
	Birch						
0035	Hamilton			on site heavy industry	1945	no	yes
	Burlington &						
	Depew						
0036	Hamilton			on site foundry	1948	no	yes
	Burlington &						
	Kenilworth						
0037	Hamilton			on site industry	1953	no	yes
	Beach & Strath-						
	earne						
0038	Hamilton			city works storage &	1960	yes	A130104
	Brampton &			garages on site			(part)
	Waterloo						
0039	Hamilton			adjacent sewage plant, site	1974	yes	A130104
	Waterloo, N. of			is being covered further			(part)
	Brampton						

0040	Hamilton King & Pottruff	150 m. to apartments, vacant valleyland	1965	no	yes
0041	Hamilton Main & Dundurn	on site Slater Steel	1948	no	yes
8022	Ancaster 40 2	separate school on site	1952	no	*
8023	Dundas 19 1	30 m. to canal, 60 m. to works yard	1966	no	*
8024	Stoney Creek (former Salt- fleet) 26 5	40 m. to house, vacant field	1957	no	*
8025	West Flam- borough 1&2 10	rumoured site, not located	1962	no	*
8026	Dundas Olympic Dr.(W.)	40 m. to canal, soccer field	1973	no	yes
8027	Dundas Olympic Dr.(E.)	70 m. to canal, 20 m. to arena, former gas problem	1975	yes	A130301
8028	Dundas King St.E.	works dept. bldg. on site, 50 m. to canal	1952	no	yes
8029	Flam- borough 12&13 5	in use (MoE says lot 22, Conc. 6)	-	yes	yes

Regional Municipality of Haldimand-Norfolk

(Maurice Ford and Jeff Tomlinson, June 6-22, 1979)

Haldimand-Norfolk is primarily an agricultural area, with extensive acreages of tobacco production. Industry is mixed, and is located in the towns of Simcoe, Dunnville, Caledonia and Port Maitland. The City of Nanticoke is presently undergoing major industrial and residential development near the Nanticoke Generating Station.

The mode of research was to approach municipal officials, with the results of a survey done on old waste sites by the Stoney Creek Office in hand. This 1978 survey identified 32 sites. A total of 42 sites were finally identified in the present study, including 10 newly identified.

In addition to gaining information from municipalities and their residents, ten industrial firms were directly approached for information. Of these, two could not be contacted successfully, and four of the other eight reported owning a private site on which wastes were deposited in the past. Most municipal sites found were medium to small in size.

In Nanticoke, six of the nine sites found are relatively close to water, 8009 also has a house on site and site 8011 appears to receive recent wood wastes. In Haldimand, site 8016 is close to the Grand River and is presently a trailer park. All nine sites in Simcoe are quite close to development. In contrast, of the nine sites in Delhi, only 0006 has a house on site, though 0009 has sharp debris exposed and 0011 has a creek on site. In Norfolk Township all five sites seem unproblematic.

The following industries were successfully contacted:

Domtar Construction Materials, Haldimand - private site 8018
Wabasso Co., Dunnville - used site 0021
Nanticoke G.S., Nanticoke - private site 8019 (short-term use)
Canada Wire, Simcoe - used sites 0001, 0002, 8001
Carvill Ltd., Simcoe - used site 0001, (sludge wastes)
American Cannery C., Simcoe - used Simcoe municipal sites
(uncertain which)
International Minerals and Chemicals Corp., Dunnville -
private site 0024
ERCO Industries, Dunnville - private site 0025

REGIONAL MUNICIPALITY OF HALDIMAND-NORFOLK, SITE LISTING

Site#	Location			Remarks	Closed	Status	
	Twp.	Lot	Conc.			Cert.	MoE files
0001	Town of Simcoe (former Windham)	2	14	200 m. to house	1974	no	*
0002	Town of Simcoe Second & Hunt			100 m. to Mill Pond, park- land	1958	no	*
0003	Town of Simcoe Owen & Wood- house			adjacent to Lynn River, park	1951	no	*
0004	Town of Simcoe Oak & Emily			100 m. to houses, formerly Canadian Cannery	1950	no	*
8001	Town of Simcoe Windham & Queen			on site houses, public works yard, open space	1958	no	yes
8002	Town of Simcoe Hunt St.			20 m. to warehouse, Mill Pond	1954	no	yes
8003	Town of Simcoe 14th. St.W.			20 m. to gasoline station	?	no	yes
8004	Town of Simcoe Windham & Talbot			10 m. to residences, ball- field	1920's	no	yes
8005	Town of Simcoe 19 14			30 m. to residences, former Canadian Cannery site	1945	no	yes
0005	Delhi Twp. (former Wind- ham)	12	4	transfer station	-		yes
0006	Delhi Twp. (former Char- lotteville)	3	11	farm house on site	?	no	yes
0007	Delhi Twp. (former Char- lotteville)	11	7	vacant, 200 m. to house	?	no	yes
0008	Delhi Twp. (former Char- lotteville)	20	7	former municipal site, not exactly located	?	no	yes

0009	Delhi Twp. 2 8	sharp debris dumped, remote site	?	no	yes
0010	Delhi Twp. (former Windham) 21 9	200 m. to creek, woodlot	1968	no	yes
0011	Delhi Twp. 22 10	creek on site, agricultural	1945	no	yes
0012	Delhi Twp. 47 1	200 m. to creek, old Delhi dump	1951	no	yes
0013	Delhi Twp. 44 2	100 m. to creek, some fresh dumping	1955	no	yes
0014	Norfolk Twp. (former Middleton) 18 1	former Middleton dump	1957	no	yes
0015	Norfolk Twp. (former Middleton) 19&20 2	vacant agricultural	1974	no	*
0016	Norfolk Twp. (former N. Walsingham) 11 9	Deer Creek on site, conservation area	1967	no	*
0017	Norfolk Twp. (former Houghton) 1 6	vacant agricultural	1971	no	yes
0018	Norfolk Twp. (former Houghton) 6 W. of North Rd.	vacant agricultural	1971	no	yes
0019	Norfolk Twp. (former Houghton) 5 7	rumoured, not located	?	no	*
0021	Dunnville Tamarac & THB	former Canadian Cannery use, vacant field	1971	no	yes
0024	Dunnville IMC Ltd.	kitchen ponds on site, formerly ERCO Fertilizers	-	no	yes
0025	Dunnville ERCO Industries	earlier use of gypsum pits on site for wastes	?	no	yes
8014	Dunnville George St.	under 100 m. to development	?	no	yes
8015	Dunnville Sheehan Cr.	under 100 m. to development	?	no	yes

8006	Nanticoke (former Town- send) 4 7	40 m. to house, 10 m. to pond and boat ramp in CA	1968	no	yes
8007	Nanticoke (former Wood- house) 5 1	60 m. to farm house	1968	no	yes
8008	Nanticoke (former Wal- pole) 6 2	10 m. to creek, 50 m. to farm house	1955	no	yes
8009	Nanticoke (former Wal- pole) 13 4	30 m. to creek (polluted), house on site	1970	no	yes
8010	Nanticoke (former Wood- house) 4 1	40 m. to house and farm bldgs.	1965	no	yes
8011	Nanticoke (former Walpole) 14 2	10 m. to creek, 100 m. to sawmill, wood wastes	?	no	*
8012	Nanticoke (former Wood- house) 14 1	Black Creek on site, owned by CA	1958	no	yes
8013	Nanticoke (former Town- send) 1 8	owned by CA, not located	1972	no	yes
0020	Haldimand (former Cayuga) 46&47 1	75 m. to farm house	1968	no	yes
8016	Haldimand (former Cay- uga) Ouse St.	10 m. to Grand River, trailer park on site	?	no	*
8017	Haldimand (former Cayuga) Princess St.	rumoured site, residential	?	no	*

8018	Haldimand (former Oneida) Domtar Caledonia	industrial wastes	?	no	yes
8019	Nanticoke (former Wal- pole) 7,8,9 1	Nanticoke GS, former construction waste site	1970's	no	yes

Note: Numbers 0022 and 0023 not used

WELLAND DISTRICT

Regional Municipality of Niagara

(Maurice Ford and Jeff Tomlinson, July 18-
Aug. 1, 1979)

Although much of Niagara is highly productive agricultural land, heavy industry has long been located in Niagara Falls, St. Catharines, Welland and Thorold. Automotive, steel, chemical and paper products are dominant.

All 12 municipalities were fully covered and some 52 sites identified. Of these, 21 were not in MoE files previously. In addition, 29 old gravel pits or quarries listed by MNR are appended to the survey forms, though they were not surveyed owing to lack of time and low likelihood of containing much waste material.

In Niagara Falls, seven sites were identified. One (8038) is now near a heliport building; site 8036 is close to an apartment and is gas vented; and 8039 is close to a house. Other sites were more remote from development. St. Catharines had 11 former municipal sites, all close to development and recently several were the subject of special City study (0047, 0048, 0051, 0052, 0054). All 3 former municipal sites in Thorold have been built upon; 0042 had apparent methane odour and 0044 is gas vented. In Welland, site 8035 is near a police station, and sites 8045 and 8046 in Port Colborne are near buildings.

Two of the three Fort Erie sites (8049 and 8050) are near creeks, and 8051 is a former municipal site located near Hooker Chemical Co. buildings.

Of the seven Grimsby sites, 0062 is a school site and 0063 is now under a shopping plaza; 8054 and 8055 are near residences and 8053 is also close to a creek. Other sites in the smaller and rural municipalities are less problematic, as listed. Two rumoured sites in Wainfleet Township (lot 24, conc. ; lot 24 conc. 2) could not be confirmed and were not surveyed.

Industries surveyed were:

Inco Metals, Port Colborne - private site 0066
Mansfield-Denman, Port Colborne - disposal firms used various
sites, such as 8046, 8057
General Motors, St. Catharines - private site 0065
McCordick's Leather, St. Catharines - disposal firms
Ontario Paper, Thorold - wood pulp on private site 8052
Atlas Steel, Welland - acid lagoons and slag on private site 0067
Cyanamid Ltd., Welland - private site 8058 (Niagara, St. David)
Stelco Tubes, Welland - welding slag at private site 0068
Fleet Industries, Ft. Erie - private site 8119

REGIONAL MUNICIPALITY OF NIAGARA, SITE LISTING

Site#	Location			Remarks	Closed	Status	
	Twp.	Lot	Conc.			Cert.	MoE files
0042	Thorold			on site industrial plant, evident methane odour	1958	no	yes
	John & David						
	Sts.						
0043	Thorold			on site fire hall, near	1959	no	yes
	Towpath & Albert			residential			
0044	Thorold			on site park, amphitheatre;	1959	no	yes
	Beaver Dams Park			vented			
0045	St. Catherines			house and boat shed on site,	1965	no	*
	Henley Is. &			surrounded by Martindale			
	Main			Pond			
0046	St. Catherines			Dalhousie House on site,	1970	no	*
	Lakeport Rd.			100 m. to Martindale Pond			
0047	St. Catherines			200 m. to development, City	1970	no	*
	Ontario St.			investigating			
0048	St. Catherines			partly school site and	1960	no	yes
	Linwell nr.			Sheridan Park, City			
	Friar			investigating			
0049	St. Catherines			30 m. to housing, open	1960's	no	*
	Westgate Pk. Dr.			space, City testing			
0050	St. Catherines			100 m. to housing, slight	1940	no	*
	Henrietta St.			methane odour			
0051	St. Catherines			public works storage area,	1960	no	*
	Glendale &			100 m. to old canal, City			
	Mountain			investigating			
0052	St. Catherines			Carter Creek on site, golf	1976	yes	A120103
	Lincoln &			clubhouse on site, City			
	Capner			investigating			
0053	St. Catherines			under 100 m. to housing and	1940	no	*
	Argyle Cres.			old canal, park site			
0054	St. Catherines			vacant, 150 m. to housing,	1972	no	yes
	Oakdale &			City investigating			
	Disher						
0055	St. Catherines			100 m. to housing, cannery	1966	no	*
	Longford &			dump			
	Kilkenny						

0056	Niagara-on-the-Lake William & Nassau	open space	1920's	no	yes
0057	Niagara-on-the-Lake Lakeshore Rd.	rifle range	1970	no	yes
0058	Lincoln (Louth) 17 7	vacant recreational	1971	no	yes
0059	Lincoln (Clinton) 16 5	vacant, some debris scattered	1971	no	yes
0060	Lincoln 23 1	under 150 m. to industrial bldg. and creek, scattered inert waste	1955	no	*
0061	West Lincoln (former S. Grimsby) 6 9	vacant conservation area	1970	no	yes
0062	Grimsby Christie & Olive	school on site	1946	no	*
0063	Grimsby Livingston & Nelles	shopping plaza on site	1960	no	*
0064	Grimsby end of Casa-blanca	boat house on site, 200 m. to Lake Ontario, inert dumping	1942	no	*
0065	St. Catherines G.M. Ontario St.	industrial site	?	no	yes
0066	Port Colborne Inco Davis St.E.	industrial site, swampy	?	pending	yes
0067	Welland Atlas Steels	industrial site, acid lagoons, 16 ha., used since 1930's	?	pending	yes
0068	Welland Stelco	industrial site	1972	no	yes
8035	Welland 24 7	15 m. to Hwy 58 OPP station, West Side Rd.	1945	no	yes
8036	Niagara Falls Valley Way Rd.	40 m. to apartment bldg., vented	1958	no	yes

8037	Niagara Falls McLeod Rd.	vacant field	1968	no	yes
8038	Niagara Falls Victoria Ave.	10 m. to heliport office	1962	no	yes
8039	Niagara Falls Stanley & Elm	15 m. to residences	1925	no	yes
8040	Niagara Falls Fairview Cemetery	20 m. to cemetery office	1925	no	yes
8041	Port Colborne Cement Rd. & Lakeshore Rd.	vacant, inert filling may be active	?	no	yes
8042	Port Colborne Cement Rd. & CNR	vacant, inert fill	1973	no	*
8043	Niagara Falls (former Will- oughby) 7 2	vacant field	1970	no	yes
8044	Port Colborne (former Humber- stone) 9&10 3	vacant	1970	no	yes
8045	Port Colborne (former Humber- stone) 23 3	vacant, 10 m. to boatworks and canal	1970	no	yes
8046	Port Colborne (former Humber- stone) 18 3	vacant, 30 m. to houses, extruded rubber on site	?	no	*
8047	Port Colborne (former Humber- stone) 29 3	current site	-	yes	yes
8048	Port Colborne (former Humber- stone) 4 1	60 m. to gocart track office, on Sherkston Beach park	?	no	yes
8049	Fort Erie Winger Rd.	20 m. to creek, littered with fresh waste	1974	yes	A120502
8050	Fort Erie Thompson Rd.	10 m. to creek, swampy, not exactly located	1960's	no	*

8051	Fort Erie Dunlop St.	30 m. to factory (Hooker Chemical)	1974	no	*
8052	Thorold Ontario Paper	industrial site	-	no	*
8053	Grimsby Elizabeth Ave.	10 m. to Forty Mile Creek, 60 m. to houses	1963	no	*
8054	Grimsby (former N. Grimsby) 2 5	70 m. to residence	1956	no	*
8055	Grimsby Robinson St.	20 m. to residences	1960's	no	*
8056	Grimsby Birchpark Dr.	location uncertain, reported incinerator site early 1900's	1940's	no	*
8057	Pelham 6 7	100 m. to houses, old quarry filled with extruded rubber (Mansfield-Denham), formerly fire hazard	1970	yes	A120308
8057	Niagara Falls Cyanamid Ltd.	industrial site (St. David and Niagara Falls plant site)	1975	yes	A120203
8119	Fort Erie Fleet Industries	industrial site, largely inert waste reported	-	no	yes

CAMBRIDGE DISTRICT

County of Brant (Maurice Ford and Jeff Tomlinson, August 6-10, 1979)

Most of the County is productive agricultural land, with an industrial centre in Brantford and lighter industry in Paris. All seven municipalities were fully covered.

A total of 24 sites were identified, of which 10 were not previously in MoE records. Fourteen of the sites were in Brantford, and all but 0078 are near water bodies or development, and site 0072 is quite large. Site 0070 in Paris has a house on site; in Burford Township, site 8066 is 40 m. from a home; in Oakland Township, site 8067 is 70 m. from a house and is in a swampy area; site 8068 in Brantford Township is close to the Grand River; site 0081 in South Dumfries Township is 90 m. from a house and has paint waste in drums.

Otherwise, the rural sites in Brant County were relatively unproblematic, as listed.

County of Brant, Site Listing

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>Moe files</u>
0069	Paris			100 m. to brick company, Willow & Dundas inert filling	1940	no	*
0070	Paris			on site house	1950	no	*
0071	Paris			vacant, conservation area	1950	no	*
	Railway St.						
0072	Brantford			30 ha. along Water, Wharf Wharf & Greenwich; includes market Market bldg. and park	1950	no	yes
0073	Brantford			on site 3 houses, parking	?	no	yes
	Harriet & Tom			lot, gravel lot			
0074	Brantford			wooded conservation area	?	no	yes
	Edge St.						
0075	Brantford			on site OHC apartments, Gilkinson St. houses, commercial	1920's	no	yes
0076	Brantford			park, 100 m. to Grand River	1920's	no	yes
	Market & Eagle						
0077	Brantford			Burnley Park, gas vented	1955	no	yes
	Burnley Ave.						
0078	Brantford			vacant conservation land, River & Birketts some inert waste	1955	no	yes
8059	Brantford			30 m. to shed, 60 m. to Mohawk St. creek	1955	no	yes
8060	Brantford			20 m. to Grand River	1955	no	yes
	Greenwich St.						
8061	Brantford			25 m. to residence, 10 m. Birkett's Lane to Grand River, still used for inert fill	1955	no	yes
8062	Brantford			50 m. to creek, 30 m. to Beach Rd. house, wooded area	1955	no	yes
8063	Brantford			20 m. to houses, on open Charing Cross space	1955	no	yes
8064	Brantford			10 m. to residences	?	no	yes
	Bruce St.						

8065	Burford Maple Av. S.	10 m. to residence	1940	no	yes
8066	Burford 7 6	40 m. to residence, wrecking yard	1945	no	*
8067	Oakland 1 2	70 m. to house, swampy area	1949	no	*
8068	Brantford Twp. 16 2	20 m. to Grand River, was used illegally	1969	no	*
8069	Brantford Twp. 7 1R	vacant, remote	1969	no	*
0079	South Dumfries 21 6	vacant bush, some dumping continues	1952	no	*
0080	South Dumfries 14 3	vacant, remote	1970	no	*
0081	South Dumfries 20 6	90 m. to house, some paint waste in drums	1952	no	*

County of Dufferin (Maurice Ford and Jeff Tomlinson, Aug. 27-30, 1979)

Dufferin is a largely agricultural area, with several localities having large proportions of seasonal residences. Orangeville and Shelburne are the only towns, and have had mainly an agricultural service role in the past. All 9 municipalities were fully covered.

In all, a total of only 8 sites were identified, one of which was not in MoE records. The Orangeville site (8117) is in future parkland close to park buildings. In Shelburne, both sites 8115 and 8116 are relatively close to houses, and 8115 is also close to a creek. Site 8112, in Mono Township, is 40 m. from a house.

Otherwise, the sites appeared unproblematic, as listed.

County of Dufferin, Site Listing

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
0107	East Garafraxa	14	16	100 m. to house	1975	yes	A180501
0108	Amaranth	16	17	vacant, remote	1968	yes	A180401
8112	Mono	25	1W	40 m. to residences	1968	no	*
8113	Mulmur	9	5	not surveyed	1971	yes	A180902
8114	Mulmur	20	2W	vacant road allowance, remote	1970	yes	A180901
8115	Shelburne Greenwood St.			20 m. to creek, 50 m. to houses and store	1962	no	yes
8116	Shelburne Greenwood & Robert			60 m. to houses	1971	no	yes
8117	Orangeville Second Ave.			40 m. to washrooms in park	1971	yes	A180101

Regional Municipality of Waterloo

(Maurice Ford and Jeff Tomlinson,
Aug. 13-17, 1979)

Much of Waterloo is a mixed agricultural area of good productivity and many self-sufficient farmers. Industrial concentrations are located in Kitchener, Waterloo and Cambridge and have been established for some time. In accordance with this pattern, the cities were found to have the vast majority of old waste sites, and relatively few were found in the rural areas. All 7 area municipalities were fully covered.

A total of 45 sites were identified, all but two of which were known to the MoE. The 24 sites in Kitchener are all under or near development, and a history of problems has lead to their study for the past decade. The seven sites in Waterloo are also close to development (on site at 0087 and 0089), but there have been fewer evident problems. Cambridge has 12 old waste sites with only 8075 being remote from development. Leachate in a ditch was observed near site 8070, a former certified site. A large chemical waste site near Elmira was visited but not surveyed, since no information could be added to a March 1979 report by MoE.

REGIONAL MUNICIPALITY OF WATERLOO, SITE LISTING

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
0082	Wellesley			vacant gravel pit, 200 m. to house	1966	no	*
	10	4					
0083	Waterloo			100 m. to Laurel Creek,	1964	no	yes
	Univ. & 85						
0084	Waterloo			on site water pollution con-	1957	no	yes
	Univ. E. of 85			trol plant.			
0085	Waterloo			50 m. to Silver Lake and	1945	no	yes
	Caroline & Erb			Memorial Arena, under parking lot			
0086	Waterloo			200 m. to YMCA, 50 m. to creek	1964	no	yes
	Lincoln Rd.						
0087	Waterloo			on site residential	1900?	no	yes
	Esson & John						
0088	Waterloo			football field, 100 m. to creek	1961	no	yes
	Seagram Dr.						
0089	Waterloo			on site commercial bldgs, on site creek	1961	no	yes
	Weber & Lodge						
0090	Kitchener			on site residential	?	no	yes
	Guelph & Walker						
0091	Kitchener			park, 100 m. to homes	?	no	yes
	Herbert & Pine						
0092	Kitchener			old incinerator site, inert wastes, 100 m. to commercial bldgs.	1960	no	yes
	Campell Ave.						
0093	Kitchener			on site homes and apartments	?	no	yes
	Westmount & Brandon						
0094	Kitchener			on site houses	?	no	yes
	Westwood & Fernwood						
0095	Kitchener			on site townhouses & commercial	1949	no	yes
	Brybeck Cres.						
0096	Kitchener			park, 100 m. to residential	?	no	yes
	Guelph & Clifton						

0097	Kitchener Hazelglen & Mooregate	on site houses	1949	no	yes
0098	Kitchener Brunswick / Ahrens	on site housing	?	no	yes
0099	Kitchener Chopin & Rossford	on site housing	1949	no	yes
8082	Kitchener Lorne Cr.	15 m. to housing, now greenway	?	no	yes
8084	Kitchener Mausser Park	park and adjacent homes, school on site	?	no	yes
8085	Kitchener Victoria St.	20 m. to creek, 100 m. to bowling alley	?	no	yes
8086	Kitchener Kent Ave.	25 m. to creek, 20 m. to residences, near industrial, under parking lot	?	no	yes
8087	Kitchener Hurst Ave	100 m. to creek, 10 m. to workshop, on site parking & commercial	?	no	yes
8088	Kitchener Palmer Ave.	40 m. to residence, 150 m. to creek	?	no	yes
8089	Kitchener Queens Blvd.	10 m. to houses, on site of swimming pool, playground, parking lot	?	no	yes
8090	Kitchener Queensmount P.S.	park and school on site, gas vented	?	no	yes
8091	Kitchener Kinzie Ave.	on site gasoline station, 20 m. to residences	?	no	yes
8092	Kitchener Coral Cres.	on site residences	?	no	yes
8093	Kitchener Glen Rd.	10 m. to residences	?	no	yes
8094	Kitchener Jansen Ave.	20 m. to residences, gas tested	?	no	yes
8095	Kitchener Karn St.	10 m. to residences, partly under Karn & Westmount	?	no	yes

8096	Kitchener Weichel St.	10 m. to residences	?	no	yes
8070	Cambridge Hespeler Rd.	400 m. to industrial bldgs, leachate observed	1973	yes	A140101
8071	Cambridge George St. Ext.	30 m. to Grand River, 70 m. to houses	1920's	no	yes
8072	Cambridge East St.	on site residences	1950	no	yes
8073	Cambridge Hwy 24 & Myers	40 m. to Grand River, 80 m. to municipal garage and sewage treatment plant	1964	no	yes
8074	Cambridge Hwy 24	10 m. to Grand River, 20 m. to service structure	1968	no	yes
8075	Cambridge Townline Rd.	vacant field	1940's	no	yes
8076	Cambridge Russ St.	vacant field, 60 m. to Grand River, 40 m. to residences	1968	no	yes
8077	Cambridge Eagle St.	60 m. to truck terminal	1973	no	yes
8078	Cambridge Rogers Dr.	30 m. to Speed River, 60 m. to concession stand in Riverside Park	1960	no	yes
8079	Cambridge Margaret St.	on site industrial bldgs. (Kanmet Industries)	?	no	yes
8080	Cambridge Lawrence St.	on site lumber yard, tennis club	?	no	yes
8081	Cambridge Beaverdale Rd.	20 m. to river, adjacent to sewage treatment plant	1973	yes	A140102
8097	Woolwich First St.	vacant, zoned industrial	1972?	yes	A140702

County of Wellington (Maurice Ford and Jeff Tomlinson, Aug. 20-24, 1979)

Wellington is a productive agricultural county, with a single main industrial centre in Guelph. Fergus has additional industry, but other towns are mainly agricultural service centres.

All 22 municipalities were fully covered, and some 20 sites were identified. Eleven of these were not previously recorded by MoE. In Guelph, four of the five sites are near riverbanks and fairly close to residential development. At site 8101, gas vents are found in nearby apartment buildings.

All of the rural sites had some development within 200 m. though as noted in most of the listings, this is typically of a low level. Site 0100 in Puslinch Township has houses on site; in Arthur, site 8105 is also close to a river; and in Marysborough Township, site 8109 is only 20 m. from a residence.

Two industries were surveyed:

Canada Packers, Harriston - did not use municipal site 8110
GSW Ltd. (Beatty Bros), Fergus - unlikely to have used municipal
site 8104

COUNTY OF WELLINGTON, SITE LISTING

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
0100	Puslinch			on site residences	1972	no	*
	5	2		(portions)			
0101	Puslinch			100 m. to house, junk &	?	yes	A175501
	30	8		inert waste dumped			
0102	Eramosa			100 m. to residences in	1964	no	*
	5	5		Rockwood			
0103	Erin			vacant, 200 m. to houses	1950's	no	*
	15	8					
0104	Erin Vill.			vacant, 2-300 m. to resi-	1971	yes	A171002
	March & Hwy 24			dences			
0105	West Garafraxa			on site creek, 200 m. to	1967	no	*
	21&20	6		house			
0106	Peel			100 m. to river, 200 m. to	1966	no	*
	Mills St.			houses			
	Drayton						
8098	Guelph			20 m. to river & residences,	?	no	*
	Riverside Park			under sports fields			
8099	Guelph			20 m. to river, 100 m. to	?	no	*
	Boult Ave.			residences			
8100	Guelph			20 m. to river, 120 m. to	?	no	*
	Wellington St.			residences, under soccer			
				field			
8101	Guelph			25 m. to river, 120 m. to	?	no	*
	Wellington &			apartment, gas vented			
	Waterloo						
8102	Guelph			part of present landfill	-	yes	A170107
	Eastview Rd.			site			
8103	Palmerston			40 m. to residences	1971	yes	A171802
	Norman St.						
8104	Fergus			110 m. to warehouse	1970	no	yes
	Beatty Line						
8105	Arthur			30 m. to river, 50 m. to	1970	yes	A170601
	Preston St.			mobile home			

8106	Mt. Forest Martin St.	vacant landfill site, near river, inert waste dumping	1970	no	yes
8107	Mt. Forest Arthur Twp. 3 12	80 m. to house	1970	yes	A170401
8108	Elora Guelph Rd.	vacant site behind cemetery	1970	no	*
8109	Maryborough 10 8	20 m. to residence	1974	no	MP16-16
8110	Harriston Willow St.	150 m. to garage	1971	no	*

SUMMARY FOR CENTRAL REGION

Researchers: Glen Taylor, Henry Tom, Dennis Sandor (June, July)

The reasearchers compiled information on 327 sites identified in this Region, of which 161 (or 49%) were not identified in MoE Files. In addition, 18 sites were listed but not surveyd due to the illness of one researcher. The newly-identified sites ranged from small rural sites to long-abandoned and now built-up sites in urban areas.

Overall, the coverage of the Central Region in the present study must be assessed as the least thorough of the four study Regions. The coverage can be considered good on the municipal side except in the Peterborough District, Haliburton, the City of Toronto, and the Borough of York. The City of Toronto is a special case, as noted in the introductory section, and our coverage was affected by the premature departure of the researcher involved.

In much of this Region, municipal government has been extensively reorganized in the past decade, which has lead to a turnover of older personnel who had the close association with their local areas from earlier times. This has sllowed the process of finding appropriate informants to help track down the old sites in areas of rapid urban growth, but in most cases success was achieved. The follow up on industrial sites in this Region was recognized from the outset as a formidable task, arising from the large number of industries. A high proportion of these establishments have been studied or regulated already by MoE however, and we believe that this will enable complete coverage to be achieved eventually.

In the Peterborough District, decisions made at the district office level to tightly control contact between the researcher and local officials can be seen, in retrospect, to have limited the extent of coverage. As explained in the text introducing the reports from those counties, this policy resulted in fewer contacts than elsewhere and presumably the missing of many unrecorded sites. Our recommendation is to pursue municipal contacts until 100% have been reached with current survey techniques.

The northern portions of the Region - Simcoe, Muskoka and Haliburton - presents a mixed picture of the "cottage country" area and agricultural/urban portions. Many sites used sporadically by cottages and lodges are extremely difficult to locate, but few are at all problematic. While our coverage of Haliburton was practically nil (see text), we feel the low populations and the likely similarity of non-problematic findings experienced in Muskoka make it a low priority for further effort.

Simcoe County produced a number of potential problem sites in Barrie, Orillia, Collingwood and Alliston. Most small town sites did not involve evident hazards and the associated problems are essentially esthetic. Many of the 35 municipalities in Simcoe, all rural townships or villages, had not replied to the earlier survey by the MoE Barrie District Office and information on 15 of these is still incomplete.

In the four Regional Municipalities of Halton, Peel York and Durham surrounding Metropolitan Toronto, a relatively large number of unreported sites were found, and our coverage of these areas was essentially complete.

The survey within Metropolitan Toronto can be considered complete for Scarborough, East York, North York and Etobicoke. Our researcher did not approach the Borough of York because he understood that the MoE was conducting its own survey with them. The City of Toronto was approached and a list of former municipal waste sites obtained. While few of these could be surveyed before our researcher became ill, all are noted in the site listing.

SUMMARY TABLE, CENTRAL REGION

<u>District/County</u>	<u>Total# identified</u>	<u>current cert.</u>	<u>former cert.</u>	<u>other MoE files</u>	<u>newly ident.</u>
<u>Barrie</u>					
Simcoe	66	1	-	27	38
<u>Gravenhurst</u>					
Muskoka & Haliburton	48	-	-	24	24
<u>Peterborough</u>					
Northumberland	7	-	-	1	6
Victoria	5	-	-	4	1
Peterborough	<u>2</u>	<u>-</u>	<u>-</u>	<u>2</u>	<u>-</u>
Sub-totals	14	-	-	7	7
<u>Toronto</u>					
Durham	42	3	2	23(1)	14
Halton	25	1	2	12(2)	10
Peel	21	-	1	3(3)	17
York	41	5	1	3	32
Metro Toronto	<u>70(4)</u>	<u>-</u>	<u>-</u>	<u>51</u>	<u>19</u>
Sub-totals	199	9	6	92	92
TOTALS	327	10	6	150	161
(%)	(100%)	(5%)		(46%)	(49%)

(1) includes 7 uncertain

(2) includes 1 uncertain

(3) includes 1 uncertain

(4) 18 additional sites listed but not surveyed

BARRIE DISTRICT

County of Simcoe (Glen Taylor, late July to early Aug., 1979)

Simcoe County is a largely agricultural area of nearly 220,000 population. It has had significant industry only since the 1960's, and is a major cottaging and tourist area. Of the 35 municipalities, some 14 of the smaller villages and townships could not be contacted successfully in the available time.

Of the townships that were fully covered, two produced many more than the expected number of about two per township. These were Tiny Township, where 17 sites were identified and West Gwillimbury with 8. In these cases, unusually well-informed and interested local respondents were able to recall minute detail about their areas, leading to coverage of many small sites. Some sites were quite small and localized disposal areas or litter sites which only a detailed lot by lot search could otherwise reveal. In many areas, such lower-order sites have been missed, though their environmental significance is almost certainly very low.

A total of 66 sites were identified, of which 38 were not previously recorded in MoE files. Of the 9 sites in Barrie, all are located near streams and residential or industrial development. Similarly, 5 of the 6 Orillia sites are under or near development, as are the four sites in Alliston. In Collingwood, the three sites are also close to development, but 4115 is quite old, and only 4116 appears to be likely to receive further development. Midland and Penetang have sites in parks, as does Stayner. Of the 17 sites in Tiny Township, only one (4139) has as much as a house within 100 m., and all other rural sites have similar or greater remoteness from development or water, as noted briefly in the site listing.

Villages not contacted successfully were Coldwater, Cookstown, Creemore, and Elmvalle; Townships were Adjala, Flos, Mara, Medonte, Nottawasaga, Rama, Sunnidale, Tecumseh, Tosorontio and Vespra.

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SIMCOE COUNTY, SITE LISTING

Site#	Location			Remarks	Closed	Status	
	Twp.	Lot	Conc.			Cert.	MoE files
4101	Barrie			adjacent to Bunkers Creek, 100 m. to industrial bldgs.	1956	no	yes
	Anne Nr. Vespra						
4102	Barrie			adjacent to Bunkers Creek, 100 m. to residences	1959	no	yes
	Vespra & Innisfil						
4103	Barrie			adjacent to Bunkers Creek, 20 m. to industrial bldgs.	1960	no	yes
	Vespra & Innisfil						
4104	Barrie			adjacent to Dymont Creek, on site apartments	1961	no	yes
	Sanford & Brock						
4105	Barrie			adjacent to Dymont Creek, 10 m. to residences	1962	no	yes
	Innisfil & Brock						
4106	Barrie			adjacent to Dymont Creek, 10 m. to houses & industry	1963	no	yes
	John-Innisfil						
4107	Barrie			adjacent to Bunkers Creek, 20 m. to industrial bldgs.	1964	no	yes
	Vespra nr. Bradford						
4131	Barrie			tannery chemical wastes	1930's	no	*
	Ellen & Brock						
4132	Barrie			rumoured site, not located	1940's	no	*
	n. of Edgehill Dr.						
4108	Orillia			rear of lumberyard & power station, recent wood wastes	1958 (munic.)	no	yes
	Atherly Rd.						
4109	Orillia			on site industrial bldgs.	1945	no	yes
	Queen nr. Front						
4110	Orillia			S. portion is parkland adjacent to lake & creek, N. has on site light industry	1968	no	yes
	Kitchener St.						
4128	Orillia			on site supermarket, coal and wood wastes	1950	no	*
	Western & West						
4129	Orillia			small foundry wastes site	?	no	*
	nr. West & Queen						
4130	Orillia			near lumber mill, recent wood wastes	?	no	*
	Industrial & Moffat						

4111	Alliston Hwy 89 & SR15	100 m. to shed, Boyne River	1958	no	yes
4112	Alliston Dominion & Mill	adjacent to Boyne River and commercial bldgs, under parking lot	1963	no	yes
4113	Alliston SR15 & Victoria	adjacent to houses and apar apartments, Boyne River	1967	no	yes
4114	Alliston SR15, N. of Boyne	200 m. to Boyne River	1971	no	yes
4115	Collingwood Huron & Niagara	on site housing, 120 m. to bay	1937	no	yes
4116	Collingwood Harbour & CNR	100 m. to houses, 120 m. to Ash Creek	1960	no	yes
4117	Collingwood Incinerator Rd.	former incinerator site, 100 m. to house	1968	no	yes
4118	Penetang Penetang Harbour	marina site	1962	no	yes
4119	Penetang Penetang Camp- ground	on site campground, adjacent to bay, rusty rusty surface water noted	1966	no	yes
4120	Stayner Oak St.	adjacent to school and arena, playing field	1930	no	yes
4121	Stayner Warrington Rd.	50 m. to barn, under pasture	1960	no	yes
4122	Wasaga Beach	not located	?	-	-
4123	Tottenham Mill & Industrial	on site worksshed, reservoir	1963	no	yes
4124	Victoria Harbour Newton & Hwy 12	under new Nwy. 12	1972	no	yes
4125	Victoria Harbour Albert & Maple	100 m. to houses	1955	no	yes
4126	Matchedash 19 6&7	Twp. reports closed in 1971	-	yes	A252303

4127	Matchedash 14 1	remote, abandoned pits	1973	no	yes
4133	Tiny Old III 2	remote from development	1972	no	*
4134	Tiny 11 4	remote from development	1968	no	*
4135	Tiny 22 4	remote, not located exactly	1971	no	*
4136	Tiny 12 8	current site	-	yes	yes
4137	Tiny 15 14	old sawmill site, remote	1971	no	*
4138	Tiny B 17	abandoned pits, remote	1971	no	*
4139	Tiny 15 18	100 m. to house	?	no	*
4140	Tiny 94 Wyebridge	not located exactly	1971?	no	*
4141	Tiny 17/18 8	roadside gully	?	no	*
4142	Tiny 9 9	100 m. to shed, old gravel pit	1960's	no	*
4143	Tiny 16 11	small farm site	1960's	no	*
4144	Tiny 16 17	200 m. to garage, recent old cars and tires	-	no	*
4145	Tiny 2 16	small remote site	?	no	*
4146	Tiny E 18	small abandoned pit	?	no	*
4147	Tiny 18 12	small old sawmill site	?	no	*
4148	Tiny 21 14	small roadside site, some recent wastes	1960's	no	*
4167	Tiny 24 3	200 m. to campground, bush site	1971	no	*

4149	Midland William St.	on site ball field and parking lot	1965	no	*
4151	Tay 15 13	remote rural, not located	?	no	*
4152	Tay 16 4	abandoned pits, 200 m. to farmhouse	?	no	*
4153	Tay 14/15 5	former CPR property	?	no	*
4154	Tay 14 5	former CPR property	?	no	*
4168	Tay 8 9	remote rural site	1970	no	*
4156	Innisfil 23 9	200 m. to farmhouse	1972	no	*
4157	Innisfil 15 6	old MTC roadside dump	1960's	no	*
4158	Essa 25 9	brush dump	?	no	*
4159	W. Gwillimbury 10 11	nearby storage sheds	1960	no	*
4160	W. Gwillimbury 1 13	roadside dump	?	no	*
4161	W. Gwillimbury 2 14	100 m. to Innisfil Creek, roadside dump	1950's	no	*
4162	W. Gwillimbury 17&18 8	old Bradford dump, remote	1960	no	*
4163	W. Gwillimbury 7 8&9	remote site, closed road allowance	?	no	*
4164	W. Gwillimbury 3 1	remote, not exactly located	1950's	no	*
4165	W. Gwillimbury 5 3	100 m. to Holland River,	1945	no	*
4166	W. Gwillimbury 15 5	contruction wastes, 200 m. to house	1960	no	*

GRAVENHURST DISTRICT

District Municipality of Muskoka

Provisional County of Haliburton (Glen Taylor, late Aug., 1979)

Muskoka and Haliburton are characterized by the "cottage country" pattern of development. Muskoka has about 36,000 people including three towns of over 5,000 population; Haliburton has fewer than 11,000 with no center much over 3,000. Summer populations are substantially higher, with large influxes of cottagers and tourists, with Muskoka being much more intensively developed than Haliburton.

Owing to its greater population, the Muskoka area was selected to receive the majority of the two-week survey time available, which enabled all six municipalities to be covered with reasonable completeness. The rugged terrain and the distributed nature of most cottage development made most of the rural sites hard to locate, often being impossible to reach and always time-consuming to track down. Most are quite small dumps with negligible impact, and are quickly overgrown when cottagers have waste pickup points available.

Sites in the towns were generally unproblematic as well. Only site 4029 in Huntsville has been built upon, for parking adjacent to shops and a gas station.

Coverage of 3 of the 10 municipalities in Haliburton was attempted, but persistent attempts yielded only one contact and one site, which could not be found. No doubt with further effort more sites could be identified, but they will likely be scattered and quite small, in view of the low populations and lack of industry.

MUSKOKA AND HALIBURTON, SITE LISTING

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>		
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE</u>	<u>files</u>
4170	Lake of Bays (former Sinclair) 2 3			old Limberlost Lodge site, not located exactly	?	no		yes
4171	Lake of Bays (former Sinclair) 23 2			cottager's site, not located	?	no		yes
4172	Lake of Bays (former Sinclair) 22 2			inaccessible site	?	no		yes
4173	Lake of Bays (former Franklin) 28 13			not located exactly	?	no		yes
4174	Lake of Bays (former Franklin) 28 9			remote site	?	no		yes
4175	Lake of Bays (former Franklin) 6 8			old sand pit	?	no		yes
4176	Lake of Bays (former Franklin) 4 8			vacant pit, adjacent to Dwight dump	?	no		yes
4177	Lake of Bays (former Franklin) 2 8			remote site	?	no		yes
4178	Lake of Bays (former Franklin) 2 8			old Wyles pit, remote	?	no		yes
4179	Lake of Bays (former Franklin) 28 5			old Bona Vista site, not located	1959	no		yes
4180	Lake of Bays (former Franklin) 24 4			old Pt. Ideal site, not located	?	no		yes

4181	Lake of Bays (former Frank- lin) 20 4	some uncovered trash, 200 m. to pond	?	no	yes
4182	Lake of Bays (former Frank- lin) 20 4	remote, not located	?	no	yes
4183	Lake of Bays (former Frank- lin) 11 5	inaccessible, Camp Arrow- head site	?	no	yes
4184	Lake of Bays (former Frank- lin) 11 4	rumoured site near lodge, not located	?	no	yes
4185	Lake of Bays (former Frank- lin) 13 3	remote site	?	no	yes
4186	Lake of Bays (former Frank- lin) 4 2	not located	?	no	yes
4187	Lake of Bays (former Frank- lin) 4 2	not located	?	no	yes
4188	Lake of Bays (former Ridout) 12 11	not located	?	no	yes
4189	Lake of Bays (former Ridout) 24 8	not located	?	no	yes
4190	Lake of Bays (former Ridout) 25 8	not located	?	no	yes
4208	Lake of Bays (former Ridout) 24 11	200 m. to creek	?	no	yes
4211	Lake of Bays (former Frank- lin) 19 3	not located, may be near Lake of Bays	?	no	*

4212	Lake of Bays (former Sinclair) 19 3	not located, possibly 100 m. to Walker's Lake	?	no	*
4191	Lake of Bays (former McLean) 3 8	old pit, remote from development	?	no	yes
4192	Bracebridge (former Oakley) 23 4	disposal containers	?	no	*
4193	Bracebridge (former Draper) 21 4	not located	?	no	*
4194	Bracebridge (former Draper) 4 13	not located, may be near development	1972	no	*
4195	Muskoka Lakes (former Monck) 11 2	disposal containers	1972	no	*
4196	Muskoka Lakes (former Wood) 11&12 5	inaccessible	?	no	*
4197	Muskoka Lakes (former Monck) 23 7	not located	?	no	*
4198	Muskoka Lakes (former Wood) 17 11	vacant pit	?	no	*
4200	Muskoka Lakes (former Medora) 16 1	not located	1972	no	*
4201	Muskoka Lakes (former Watt) 31 4	200 m. to Lake Rosseau, junked cars on site	?	no	*
4202	Muskoka Lakes (former Watt) 22 7	200 m. to house	?	no	*
4203	Muskoka Lakes (former Watt) 25 8	pond on site	?	no	*

4204	Muskoka Lakes (former Watt) 27 Old Survey	300 m. to Skeleton Lake	1972?	no	*
4205	Muskoka Lakes (former Medora) 3 10	not located	?	no	*
4206	Muskoka Lakes (former Medora) 16 12	not located	?	no	*
4207	Muskoka Lakes (former Watt) 32 14	500 m. to Lake Rosseau? not located	?	no	*
4213	Muskoka Lakes (former Watt) 28 8	500 m. from cottages	?	no	*
4199	Georgian Bay (former Baxter) 31 6	unofficial dump on former roadway, fresh wastes	-	no	*
4209	Huntsville Main St.	under A&P parking lot, adjacent to gas station	?	no	yes
4214	Huntsville (former Steph- enson) 19 8	100 m. to house	?	no	*
4216	Huntsville (former Brunel) 14 10	remote rural site	1972	no	*
4215	Gravenhurst 30 5	not located	?	no	*
4217	Gravenhurst 25 3	1000 m. to cottages, brush wastes	?	no	*
4210	Haliburton Dudley Twp. 5 4	not located	?	no	*

PETERBOROUGH DISTRICT

Counties of Northumberland, Peterborough and Victoria (Glen Taylor, mid-June, 1979)

These counties are considered together, since an unusually low number of sites was identified in each. While industry is prominent in Peterborough, Coburg, Port Hope and Lindsay, the remainder of these areas are largely agricultural, with some tourism being important in the northern portions of Peterborough County.

In all, only 14 sites were identified in the District, with seven being not previously recorded in MoE files. This number is unusually low since the District Office wished to make the contacts with municipalities and then pass on information about site locations to our researcher for follow-up. Consequently, a large number of municipalities were not reached: only 3 out of 19 in Peterborough County; 3 out of 15 in Northumberland County, and 1 out of 18 in Victoria County. As noted in the Introduction, it is recommended that this coverage be completed using the procedures followed in other Districts.

The three sites in Port Hope (4012-4014) are all on the Ganaraska River and have adjacent or on site development, some of which may involve AECL wastes. The three Coburg sites (4015-4017) are also near water and development. In Campbellford, site 4018 is adjacent to the Trent Canal and has housing under construction.

Site 4024 in Lakefield is 100 m. from a creek. In Lindsay, both sites (4019 and 4020) are close to development and 4020 is also adjacent to the Scugog River.

Otherwise sites, as listed, appeared to have few problematic characteristics.

COUNTY OF NORTHUMBERLAND, SITE LISTING

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
4012	Port Hope			adjacent to Ganaraska R., works bldgs. on site, AECB action taken	1930's	no	yes
4013	Port Hope			adjacent to Ganaraska R., housing on site	1940's	no	*
4014	Port Hope			adjacent to Ganaraska R. and commercial bldgs., granite wastes	?	no	*
4015	Coburg			adjacent to Factory Creek and houses, house under construction	1940	no	*
4016	Coburg			partly under Hwy 401, adjacent to Factory Creek	1960	no	*
4017	Coburg			adjacent to Lake Ontario, on site housing	1970's	no	*
4018	Campbellford (Seymour)	9	5	adjacent to Trent Canal and housing under construction, to be gas vented	1950	no	yes

COUNTY OF PETERBOROUGH, SITE LISTINGS

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>Moe files</u>
4021	Peterborough			former city dump, industrial area	1954	no	yes
	8	11					
4022	Smith			300 m. from housing, rural area	1957	no	yes
	5&6 E. of						
	Comm. Rd.						
4023	N. Monaghan			250 m. to river, under portion of airport	1965-7	no	yes
	6	8					
4024	Lakefield Vill.			100 m. from Ray's Creek, in parkland	1951	no	yes
	Clementi St.						
4025	Belmont			vacant pit, rural area	1970	no	yes
	8	7					

COUNTY OF VICTORIA, SITE LISTING

<u>Site#</u>	<u>Location</u>	<u>Remarks</u>	<u>Closed</u>	<u>Cert.</u>	<u>MoE Files</u>
4019	Lindsay Angeline & Pottinger	adjacent to school	1933	no	yes
4020	Lindsay St. Paul & Dennison	20 m. to houses, adjacent to Scugog River	1933	no	yes

TORONTO DISTRICT

Regional Municipality of Durham

(Dennis Sandor and Henry Tom, July-August, 1979)

Durham has about 270,000 people, and is composed of the heavily industrialized area around Oshawa, fast growing suburban areas just west of Metropolitan Toronto, and quite rural townships to the north. This mix of development patterns is reflected in the type and number of old waste sites found in the different areas.

All nine municipalities were covered, with 42 sites being identified. Of these, about 14 were not previously in MoE files. The 14 sites in Oshawa are all fairly close to development or water or both: site 7099 is large and borders a creek and industrial buildings; site 7109 has recent dumps of paint or chemical sludge. Site 7077 in Ajax has housing on site, and five of the six Newcastle sites (7086-7090) are 50 m. or less to houses or a creek. Of the four sites in Whitby, 7084 has been studied by consultants for the town and 7082 checked as well.

In the rural areas, sites were unproblematically located except for 1005 in Brock, 20 m. to a factory and 7111-7113 in Port Perry, which are near development or the lake.

REGIONAL MUNICIPALITY OF DURHAM, SITE LISTING

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
1001	Brock	12&13	4	adjacent to Beaverton River, 250 m. to buildings	?	no	*
1002	Brock	17	5	vacant rural site	1968	no	*
1003	Brock	18	11	250 m. to river, 40 m. to house	1971	no	*
1004	Brock	15	4	80 m. to farm buildings	1971	no	*
1005	Brock	1	13	20 m. to industrial bldg.	1967	no	*
7076	Ajax			100 m. to STP, adjacent to Valley Rd. Duffins Creek	1971	no	yes
7077	Ajax			former incinerator site, on site housing	1940's	no	*
7078	Ajax			site vacant and inaccessible	1971	?	?
7079	Uxbridge	33 & 34	7	remote rural, active for brush	-	no	*
7080	Uxbridge	27	3	50 m. to house	1962	no	*
7081	Uxbridge	26	1	100 m. to house	1973	?	?
7082	Whitby	24	5	present waste transfer station, closed for landfill	1976	yes	yes
7083	Whitby			adjacent to Lynda Creek, D'Hillier Park recent construction wastes	?	yes	yes
7084	Whitby			100 m. to Pringle Creek, Hopkins St. adjacent industrial bldgs.	1968	no	yes
7085	Whitby			commercial and industrial Port Whitby development, not located	?	no	*
7086	Newcastle			50 m. to farm house	1970's	?	*
	(former Orono)	33	6				

7087	Newcastle (former Darlington) 20 4	10 m. to farm house, inaccessible	1972	?	*
7088	Newcastle (Bowmanville) Jackman Rd.	10 m. to Bowmanville Creek, 50 m. to house	1974	?	*
7089	Newcastle (Bowmanville) Simpson Ave.	adjacent to Soper Creek, 20 m. to housing	?	no	*
7090	Newcastle (former Clarke) 12 3	50 m. to Graham Creek, may still be active	?	?	?
7091	Newcastle (former Clarke) 16 2	former Village of Newcastle site	1975?	?	yes
7096	Oshawa Lakeview Park	30 m. to houses and Lake Ontario	1950's	no	yes
7097	Oshawa Simcoe & Harbour	100 m. to Harbour, 30 m. to oil tanks	1950's	no	yes
7098	Oshawa Thomas St.	30 m. to Oshawa Creek	1937?	no	yes
7099	Oshawa Conant Park	adjacent to creek and industrial bldgs.	1940's	no	yes
7100	Oshawa Chopin Park	parkland site, 50 m. to houses & commercial bldgs.	1950's	no	yes
7101	Oshawa Oshawa Rd.	30 m. to houses, in parking lot	1940's	no	yes
7102	Oshawa Gibb St.	10 m. to Vanier SS, houses	1921	no	yes
7103	Oshawa Storie Park	adjacent to houses, in park- land	1940's	no	yes
7104	Oshawa Glen Stewart Park	20 m. to houses	1960's	no	yes
7105	Oshawa Ritson Rd.	30 m. to houses	1950's	no	yes

7106	Oshawa Baker Park	20 m. to houses, creek runs through park	1940's	no	yes
7107	Oshawa Woodview Park	30 m. to houses; school, church adjacent to park	1940's	no	yes
7108	Oshawa Central Park & Eulalie	on site school, adjacent houses	1940's	no	yes
7109	Oshawa Corbett's Rd.	said to be active for paint & chemical sludge	-	?	yes
7110	Scugog Reg. Rd #57	small roadside dump	1970	no	*
7111	Scugog (Port Perry) Scugog St.	on site lumberyard & commercial, adjacent to Lake Scugog	1968	no	*
7112	Scugog (Port Perry) Water St.	on site engine repair shop	1950's	no	*
7113	Scugog (Port Perry) Township Yard	adjacent to Lake Scugog	1962	no	*
7114	Pickering 14,15&16 4	MTRCA lands filled by Metro, 300 acres	-	yes	yes
7115	Pickering 20-24 3	Metro site, 750 acres	-	yes	yes
7116	Pickering 12-16 5	metro/MTRCA site, 235 acres	-	yes	yes

Regional Municipality of Halton (Henry Tom, July, 1979)

Halton is a fast growth area of about 240,000 population. Industry is well established in Burlington and Oakville, but other areas are much more rural and were lightly populated until the 1960's. All of the four municipalities were successfully contacted and coverage should be essentially complete.

Some 25 old sites were identified, of which 10 were previously not in MoE files. In Burlington, the two sites 7054 and 7055 have been under study for some time by hydrological consultants. They are large sites and may have received extensive chemical and industrial wastes. Site 7055 has housing on site.

In Oakville, 8 sites were identified, with five located adjacent to Oakville Creek (7047-49, 7051, 7052). Site 7048 has a library and 7049 a clubhouse built on site. Of Milton's 5 sites, only 7045 has a house nearly on site. Site 7042 is gas vented, 100 m. from a school and homes, and 7041 is part of the Milton fairgrounds. The 10 sites identified in Halton Hills show two as apartment sites (7059, 7062) and 7060 as a commercial site. Other sites are within 100 m. of housing or a creek.

REGIONAL MUNICIPALITY OF HALTON, SITE LISTING

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>		
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE</u>	<u>Files</u>
7041	Milton			on site barns, under south portion of fairgrounds	1956	no	*	
	Milton Fair-grounds							
7042	Milton			100 m. to school, houses; in park; gas vented	1974	yes		yes
	Commercial St.							
7043	Milton			partly under cemetery	1950	no		*
	Evergreen Cemetery							
7044	Milton			100 m. to Blue Springs, some discolored surface water	1975	yes		yes
	Nassagageya							
7045	Milton			house on site	1965	no		*
	1 6							
7046	Oakville			present active site	-	yes		yes
	21&22 1 NDS							
7047	Oakville			200 m. to house	1962-3	no		*
	6 1 SDS							
7048	Oakville			library on site, parkland	1958-60	no		*
	Library site							
7049	Oakville			adjacent to creek, boat club and tennis courts on site	1955	no		*
	16 Mi. Creek							
7050	Oakville			adjacent to 16 Mi. Creek, club house	1957	no		*
	Forsythe St.							
7051	Oakville			adjacent to Oakville Creek	1970	no		*
	Cross & Speers							
7052	Oakville			10 m. to house, adjacent to 12 Mi. Creek, parkland	1950's	no		*
	(Bronte) West River							
7053	Oakville			manufacturing wastes (Dufferin Constr.)	?	?		*
	731 3rd Line							
7054	Burlington			100 m. to house, large site with known chemical wastes	1972	?		yes
	(former Flam-borough)							
	2 2							
7055	Burlington			houses on site, studied by city	1957	no		yes
	Kerns Rd.							

7056	Halton Hills (Georgetown) Maple Ave.	100 m. to house	1973	?	yes
7057	Halton Hills (Georgetown) Main St.	100 m. to houses	1963	no	yes
7058	Halton Hills (Georgetown) 17 9	100 m. to house	1957	no	yes
7059	Halton Hills (Georgetown) 19 9	adjacent to Silver Creek, on site apartment bldg.	1959	no	yes
7060	Halton Hills (Georgetown) 18 9	on site commercial Bldgs	1955	no	yes
7061	Halton Hills (Georgetown) Hyde Pk. Bl.	100 m. to community centre, in park	1953	no	*
7062	Halton Hills (Acton) Churchill Rd.	on site apartment bldgs.	1960	no	yes
7063	Halton Hills (Acton) Churchill Rd.	100 m. to STP	1970	no	yes
7064	Halton Hills (Acton) Churchill Rd.	on site of STP	1975	?	yes
7065	Halton Hills (former Esques- ing) 24 4	adjacent to Acton Creek	1975	?	yes

Regional Municipality of Peel (Henry Tom, August, 1979)

Peel is a very fast growing area of over 420,000 people, but its industrialization has been relatively recent. It is divided into three municipalities: Caledon is still largely rural with some estate development; Brampton is a recently-industrialized city of over 125,000; Mississauga is a diverse city reorganized from several older municipalities. Coverage of all areas is likely complete.

In all, some 21 sites were identified, with 17 believed not to have been known to MoE prior to this study, although the Regional Municipality is forwarding MoE a report on old sites. Of the seven Caledon sites, 7021 and 7024 each have a house on site, and 7022 and 7026 are 100 m. or less to homes. Site 7028 in Brampton is adjacent to Etobicoke Creek and is vented; sites 7030 and 7031 are about 100 m. from development.

In Mississauga, sites 7072 and 7074 are adjacent to the Credit River and 7068 is on Lake Ontario. Also sites 7066, 7069 and 7070 are 100 m. or less from development.

Otherwise site characteristics were unproblematic, as listed.

REGIONAL MUNICIPALITY OF PEEL, SITE LISTING

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>		
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE</u>	<u>Files</u>
7020	Caledon (former Albion)	23	8	500 m. to house & lake	1973	?		*
7021	Caledon (former Albion)	26	6	house on site	1950's	no		*
7022	Caledon (former Albion)	15	3	50 m. to house	?	no		*
7023	Caledon (former Albion)	23	1	500 m. to legion Hall, inaccessible	1970?	no		*
7024	Caledon	16	3EHS	house on site	1967	no		*
7025	Caledon (former Alton)	24	3WHS	remote, not exactly located	1968	no		*
7026	Caledon (former Albion)	8	7	100 m. to houses	1960's	no		*
7027	Brampton	10	5EHS	inaccessible due to construc- tion (Professor's Lake)	?	no?		yes
7028	Brampton 4&5 1EHS Centre St.			adjacent Etobicoke Ck., 200 m. to hospital & houses, gas vented (odour)	1940's	no		*
7029	Brampton (former Ching- acousy)	17	2EHS	vacant agricultural	1950's	no		*
7030	Brampton Mary St.			parkland, 100 m. to Centen- nial Community Centre	1960's	no		*
7031	Brampton McLaughlin & Queen			100 m. to house, in park- land adjacent to Fletcher's Creek	?	no		*
7066	Mississauga Dixie & Dundas			60 m. to commercial bldg., rumoured site not located	?	no		*

7067	Mississauga Dundas, E. of Dixie	Canox site	?	no?	yes
7068	Mississauga Crookes Park	adjacent to Lake Ontario, 100 m. from houses, CVCA; extent unknown	?	no	*
7069	Mississauga Pt. Credit Mem. Pk.	100 m. to Credit River & library	1960	no	*
7070	Mississauga Saddington Park	100 m. to houses, on site pond	?	no	*
7071	Mississauga 4 1 SDS	Newman Pit, N. of QEW	1973	yes	yes
7072	Mississauga Erindale Park	adjacent to Credit River, large site in park	1962	no	*
7073	Mississauga Derry & Goreway	said to be used for clean fill, not exactly located	?	no	*
7074	Mississauga (Streetsville) Church & Ontario	adjacent to Credit River, cadet centre	1957	no	*

Regional Municipality of York (Henry Tom, July, 1979)

The Region of York is made up of suburban and rural municipalities that have had significant population growth only since the 1960's. Industry was rare and scattered prior to the 1970's. These factors contribute to a relatively small number and size of old sites, though some current ones are much larger.

All nine municipalities were covered in some depth, and a total of 41 sites were identified. Of these, 32 were not previously in MoE files. Five are currently licenced, but have been used for considerable periods of time. In Aurora, two of the four sites (7032 and 7034) are within 100 m. of housing. In Markham, site 7092 has had methane problems. Three of the four Newmarket sites (7013, 7015, 7016) are adjacent to the Holland River. Sites 7013 and 7015 also have buildings on site; site 7014 is under a parking lot. In Richmond Hill, sites 7006, 7008, 7009 and 7010 have development on or adjacent to them but no problems are visible.

The eight Vaughan sites show 5032 with gas vents and visible leachate, adjacent to a licenced site. Sites 5031 and 5035 are on the Humber River, but pose no evident problems. Site 7002 in Whitchurch-Stouffville has farm buildings on site; 7017 in East Gwillimbury may be close to a house; 7036 in Georgina is 30 m. from a house.

Otherwise, characteristics likely to indicate problems are absent.

REGIONAL MUNICIPALITY OF YORK, SITE LISTING

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>		
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE</u>	<u>Files</u>
5029	Vaughan	1	7	250 m. to Humber River, in golf course	1955	no		*
5030	Vaughan	20	9	50 m. to Humber River, 50 m. to house, barn; apparent gas vents	1965	no		*
5031	Vaughan	15	7	adjacent to Humber River, MTRCA lands	1950	no		*
5032	Vaughan	26	3	160 m. to creek, evident gas vents, red leachate (adj. test on site)	?	no?		yes
5033	Vaughan	31	3	roadside dump on unopened road	1965	no		*
5034	Vaughan	27	2	300 m. to golf clubhouse (Maple Downs)	?	no		*
5035	Vaughan	30	9	adjacent to Humber River, still open, roadside site	-	no?		*
5036	Vaughan	35	8	adjacent to creek, active small roadside site	-	no		*
7001	Whitchurch- Stouffville	16	8	500 m. to house	1960	no		*
7002	Whitchurch- Stouffville	16	7	on site farm bldgs.	1940's	no		*
7003	Whitchurch- Stouffville	13	4	500 m. to farm	?	no		*
7004	Whitchurch- Stouffville	14&15	8	York Sanitation, large site, active	-	yes		yes
7005	Whitchurch- Stouffville	19&20	14	500 m. to house, fire reported; site not exactly located	1960's	no		*
7006	Richmond Hill			on site industrial bldgs. Duggley Ave.	1955	no		*

7007	Richmond Hill 8 1E	rumoured site	?	no	*
7008	Richmond Hill Leslie & Mark- ham	adjacent to Rouge River, 25 m. to house, small site	1950's	no	*
7009	Richmond Hill King Rd. & Yonge	library & fire hall on site	1960's	no	*
7010	Richmond Hill Bayview & Beach	small local site, perhaps still active, adjacent to housing	-	no	*
7011	Richmond Hill Markham Rd.	waste recently excavated (report)	1960's	no	*
7012	Richmond Hill 47 1W	500 m. to Mill Pond, adjacent hydro station, in park	1960	no	yes
7013	Newmarket Civic & Water	adjacent to Holland River, on site supermarket	1940's	no	*
7014	Newmarket Millard & Main	200 m. to commercial bldgs., under parking lot	1950's	no	*
7015	Newmarket Queen nr. Main	on site house, adjacent to Holland River	1940's	no	*
7016	Newmarket end of Bayview	adjacent to Holland River	1960's	no	*
7017	E. Gwillimbury 9 1W	on site house, not exactly located	1950's	no	*
7018	E. Gwillimbury 12 or 13 8	old wood mill, 200 m. to office bldg.	1930's	no	*
7019	E. Gwillimbury (former Sharon)	rural site	1940's	no	*
7031	Aurora Bloomington Rd.	200 m. to house, old pits	1940's	no	*
7032	Aurora Henderson St.	100 m. to townhouses, poss- ibly active on a small scale	-	no	*
7033	Aurora end of Industry St.	200 m. to house, small site	1915?	no	yes

7034	Aurora Wellington St.	100 m. to Aurora PS and houses, adjacent to Holland River	1930's	no	*
7035	Aurora 13 2EYS	York Sanitation site, current	-	yes	yes
7036	Georgina 17 4	30 m. to house	1971	no	*
7037	Georgina 2 4	current site	-	yes	yes
7038	King 1 7	adjacent to Humber River, some fresh wastes, road- side	1950's	no	*
7039	King 6 2	current site	-	yes	yes
7040	King 26 11	current site	-	yes	yes
7092	Markham 2 3	closed due to gas problems (Sabittson site)	1975	yes	yes
7093	Markham 17 8	rumoured site	?	no	*
7094	Markham 6 8	rumoured in or near golf course	1950's	no	*
7095	Markham 31 5/6	reported site, not located	?	no	*

Metropolitan Toronto (Dennis Sandor, June-mid July, 1979)

This is perhaps the most complex area in Ontario to study old waste disposal sites. It has the largest population, the largest industrial base and a long history. The approach to each area municipality differed, owing to their different character of development. York was not approached directly, to avoid overlap with an MoE effort. The City of Toronto was under investigation by our researcher when he became ill and had to leave the project, and 18 of the sites identified were not surveyed.

In all, 70 sites were surveyed and 18 more are identified in the listings. Of the 70, some 19 were not previously known to MoE.

In East York, some 24 sites were identified, many of which were along the Don valley or in ravines. It is expected that a detailed study of topographic maps of Toronto between approximately 1860-1930 would reveal many unknown ravine sites that have similarly been filled.

In Etobicoke, eight sites were identified, with the two in King's Mill Park (3053, 3054) showing leachate run-off into the Humber River. North York sites have to a large degree been started by private disposal firms and more recently turned over to other authorities.

Scarborough has many park and school sites among the old waste sites identified, but those that pose actual problems have generally been dealt with by the Borough.

It is evident from the site listing that virtually all of the sites identified are under or near development, and many are adjacent to water. Yet few sites posed evident problems that had not been dealt with. While there may be additional sites, particularly very old ones in Toronto that have long been built over, it is questionable whether information on sites of such type are of more than academic interest. If additional effort is to be made in the Metro area, it might well be concentrated on discovering private industrial sites and on remedying those relatively few municipal sites that have problems at present.

METROPOLITAN TORONTO, SITE LISTING

Site#	Location	Remarks	Closed	Status	
				Cert.	MoE files
Scarborough					
4001	Meadowcliffe	small park and parking lot	1960	no	yes
4002	Neilson Ave.	10 m. to houses, under park and street	?	no	yes
4003	Brimley & Kingston	50 m. to school	1961	no	yes
4004	Brimley Rd.	250 m. to Lake Ontario, road r.o.w. to park; road settles, gas vented and leachate collected	?	no	yes
4005	Highview & Kennedy	park and ball field, 50 m. to school	1954	no	yes
4006	St. Clair & Kennedy	50 m. to Pine Hills cemetery structure	1955	no	yes
4007	Birchmount & St. Clair	50 m. to Pine Hills cemetery structure	1955	no	yes
4008	Ellesmere nr. Highland Ck.	adjacent to Highland Creek, in Hydro r.o.w.	1958	no	yes
4009	McCowan Rd.	adjacent to Dorset Creek, on site school and playground gas vented	1960	no	yes
4010	Morningside & Military Tr.	near Highland Creek, on site pond has visible leachate, 50 m. to houses	1967	no	yes
4011	Morningside near 401	adjacent high-rise apartments, leachate collection, settling noted	1962	no	yes
3001	Kirkham's Rd. nr. Shepherd	adjacent to Rouge River in zoo, apparent leachate run-off	1967	no	yes
3005	73 Ladybridge	25 m. to school	1954	no	yes
3006	McGregor (Crerar School)	13 m. to school, under playground, grass kill evident	1950	no	yes
3007	Brimley & Gray-lee (MacRae School)	15 m. to school, gas vented	1959	no	yes

3008	Sinnott & Sherry	adjacent warehouses (SKF)	1955	no	yes
3009	Edge Park	former creekbed filled to make park site	1953	no	yes
3014	Warden & St. Clari	site now under Warden Ave.	?	no	yes
3015	Presley & Donside	former incinerator site, now S. Scarb. Boys & Girls Club fields	1969	no	yes
3016	Warden & Catar- aqui	25 m. to Warden school	1962	no	yes
3017	Kenworthy & Danforth	nearby homes	?	no	yes
3018	Gerrard & Victoria Park	former incinerator site, east portion flooded, gas vented, adjacent to gasoline station	1954/6	no	yes
3019	Swanwick & Victoria Park	adjacent to Blantyre school	?	no	yes
3020	Clanmore & Blantyre	under Blantyre Park, not exactly located	?	no	yes
3026	Meadowvale & White	50 m. to residences, creek	1975?	no	yes

(Note: Site #'s 3002-4, 3008, 3010-13, 3021-25, not used)

East York

3027	Leslie & Vanderhoof	100 m. to industrial bldgs., may be former DND dump	?	no	yes
3028	Copeland & Commercial	on site industrial bldgs.	1930's	no	yes
3029 (1)	Beth Neilson Dr.	ravine site, 30 m. to warehouse	?	no	yes
3029 (2)	E.T. Seaton Park	under parking lot	?	no	yes
3030	Bayview S. of Moore	150 m. to housing	?	no	yes
3031	end of Beech- wood Dr.	adjacent to Don River, 300m. to houses, MTRCA owned	1966	no	yes

3032	Pottery & Broadview	on site stores & apartments	1940?	no	yes
3033	475-493 Donlands	former site of 2 houses, gas vented, 30 m. to Don R.	1966	no	*
3034	Davies & Don Mills	adjacent to houses, gas vented	1960's	no	*
3035	Coxwell & O'Connor	not exactly located	?	no	*
3036	O'Connor & Ventnor	apartments on site	1930's	no	*
3037	Cosburn & Cedarvale	under Cedarvale Park	?	no	*
3038	Glenhill & Holborne	houses, school on site	1919	no	*
3039	Haldon & Cosburn	in Taylor Creek Park, near creek	1960's	no	*
3040	Lumsden & Eastdale	OHC apartments on site	?	no	*
3041	Groundwood Park	30 m. to apartment bldgs.	?	no	*
3042	Crescent Town & Dawes	under open space, both sides of road	?	no	*
3043	Park Vista & Dawes	on site apartment bldgs., near Massey Creek	?	no	*
3044	St. Clair & Woodbine Hts.	on site houses, road settles	1940?	no	*
3045	St. Clair & Marilyn	on site school, houses	1940?	no	*
3046	St. Clair & O'Connor	commercial bldgs. on site	1930?	no	*
3047	St. Clair & O'Connor	10 m. to commercial bldgs., houses, parking lot (Curity 1)	1950	no	*
3048	O'Connor & Curity	under parking lot, adjacent industrial & residential (Curity 2)	1964	no	*
3049	Northline & Sunrise	adjacent to works yard & mised development, gas vented, leachate evident, 30 m. to Don R.	1965?	no	*

3050	Dawes Rd.	rumoured site under road near Taylor Creek	?	no	*
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Etobicoke

3051	Lakeshore M.Curtis Park	under park, 100 m. to apartment bldgs, gas vented	1957	no	yes
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3052	West Mall	adjacent to Etobicoke Creek, 1954 stains & exposed wastes visible; 100 m. to shopping mall and curling rink		no	yes
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3053-4	King's Mall Park	upper and lower Riverwood sites, adjacent to Humber River, 20 m. to apt. bldg. & boat club; gas vents, leachate collectors, runoff noted	1965	no	yes
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3055	Centennial Park	70 m. ski hill, 60 m. to park buildings; gas vented, leachate collectors	1967	no	yes
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3056	Edenbridge & Scarlett	old Edenbridge and Scarlett dumps, in MTRCA parkland adjacent to Humber River; 20 m. to residential; gas vented, leachate stains	1955	no	yes
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3057	Scalett Mills Road	in MTRCA parkland adjacent to Hunber River; gas vented	1965	no	yes
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3058	Disco & Carlingview	200 m. to industrial bldgs. Mimico Creek diverted, gas in sewers	1967	no	yes
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North York

3059	Finch & Ardwick	adjacent to Humber River, 25 m. to houses	1966	no	yes
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3060	Bluehaven Cres.	100 m. to school & Humber River, under play fields	1966	no	yes
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3061	Stanwood Cres.	adjacent to housing	1968	no	yes
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3062	Storer Dr.	adjacent to housing & Humber River, some oily seepage	1963	no	yes
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3063	Toryork & Weston	20 m. to commercial & light industrial bldgs.	1962	no	yes
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3064	Amesbury Dr.	50 m. to Black Creek, 10m. to houses, school	1958	no	yes
3065	Fountainhead Rd.	100 m. to apartment bldgs.	1954	no	yes
3066	Dufferin & Martin Ross	125 m. to commercial bldgs.	1962	no	yes
3067	Gwendolyn Cres.	adjacent to Don River, 10 m. to houses	1965- 7?	no	yes
3068	Grenoble & Don Valley Pky.	100 m. to apartment bldgs,	1971	no	yes
3069	Anewen Dr.	adjacent houses, 100 m. to Don River, trash site	1968	no	*
3070	Porter & Avon	30 m. to homes, school under playfield & stadium, gas vented	1960	no	yes

Toronto

The following list includes sites used by the City of Toronto and located in Toronto (Source: Toronto Dept. of Public Works). Those surveyed were the Riverdale Park site (3071) and site 3070, partly in East York.

Boulton-Greenwood Dump	(1)	Immediately north of clay pits owned by Harper Brick Co. on west side of Greenwood Ave., north of CNR tracks, between Shudell Av. and Queen Victoria St., extending approximately 414 ft. from rear of property on Seymour Ave. to Greenwood Ave.
	(2)	West side of Greenwood Ave. between Boulton and Chatham Ave.
Leslie Street Dump	(1)	East side of Leslie St. adjoining Ashbridge's Bay STP
	(2)	West side of Leslie St. (THC property)
	(3)	Ashbridge's Bay area, east of Leslie St., south of Keating St.
Riverside Dr.		West side of Riverside Dr., north of Queen St. to Kingsway Club
Riverdale Flats		Riverdale Park - east side of Don R. (3071) [gas vented, closed 1962, 30 m. to apartment bldgs.]
Felstead Ave.		South side of Felstead Ave, west of Lamb Ave.

70
7
19
89

Ivy Ave.	Rear of 488 Greenwood and 64 Ivy Ave.
Lawrence Park Collegiate	Adjoining LPCI, south side of Lawrence Ave. W., on east side of ravine, extending south-easterly along embankment
Bayview and Eglinton	Northwest of Bayview and Eglinton Aves., east of Walder, north of Roehampton Aves.
Moss Park	Southerly portion of Moss Park Recreation Centre
Symes Road	Ash residue on HEPC right-of-way, westerly from Symes Road, south of STP
Forest Hill Village	Memorial Park
Gerrard-Coxwell	North and south of Gerrard St. E., between Coxwell and Bellhaven
Don Valley	(1) Foot of the ravine from Castle Frank Drive and rear of Castle Frank Road (2) South side of Park Drive Reservation, immediately west of CNR
Commissioners residue	Incinerator dumping on area on north side of Gerrard St., adjacent to CNR
Keating St. Dump	Eastern Avenue to Keating St. extension, west of Woodfield Rd.

(original list bound with survey sheets)

SUMMARY FOR SOUTHEASTERN REGION

Researchers: Ken Jones, Margaret Warren

The researchers compiled information on 212 sites identified in this Region. The predominant physiography is limestone plain and Canadian Shield, with farming, forestry and tourism being the predominant economic activities. These factors lead to a relatively low proportion of potential problems among the abandoned waste disposal sites. Aside from a relatively small number of problem sites in rural areas, old sites located near urban development were mainly found in Cornwall and Ottawa, the largest urban centres.

The low density of population over much of the Region is reflected in the small size of most of the rural sites. In a number of townships no sites were identified, suggesting a very low level of waste generation which historically had been disposed of on individual farms.

As noted in the following sections and site listings, a large number of sites examined had previously been identified by the Ministry. Most of the newly-found sites tended to be small rural waste disposal areas or trash dumps, although a number of smaller sites were identified on river banks.

Despite the vast area, coverage is fairly complete. A dozen or so townships could not be successfully contacted despite repeated attempts, and are noted in later sections. In Renfrew County, only the towns and villages were surveyed owing to lack of time near the end of the study period and the low populations (average 700) of the areas bypassed.

SUMMARY TABLE, SOUTHEASTERN REGION

<u>District/County</u>	<u>Total# identified</u>	<u>current cert.</u>	<u>former cert.</u>	<u>other MoE files</u>	<u>newly ident.</u>
<u>Belleville & Kingston</u>					
Hastings	30	-	17	4	9
Frontenac	10	-	4	6	-
Leeds & Grenville	21	-	5	4	12
Lennox & Addington	10	-	3	6	1
Prince Edward	<u>6</u>	<u>-</u>	<u>2</u>	<u>2</u>	<u>2</u>
Sub-totals	77	-	31	22	24
<u>Cornwall</u>					
Prescott & Russell	29	-	7	9	13
Stormont, Dundas & Glengarry	<u>30</u>	<u>-</u>	<u>9</u>	<u>19</u>	<u>2</u>
	59	-	16	28	15
<u>Ottawa</u>					
Lanark	17	-	3	12	2
Ottawa-Carlton	43	3	3	26	11
Renfrew	<u>16</u>	<u>-</u>	<u>-</u>	<u>11</u>	<u>5</u>
Sub-totals	76	3	6	49	18
TOTALS	212	3	53	99	57
(%)	(100%)	(26%)		(47%)	(27%)

KINGSTON & BELLEVILLE DISTRICTS

County of Hastings (Ken Jones, July 24 - August 9, 1979)

Hastings has some urban industrial development in the south, rural agricultural in its mid-section and mining in the north. Thirty former waste disposal sites were identified, all but eight of which were documented in the Belleville MoE District Office. Eight abandoned mines and six old tailings areas were also noted on the county map, though most are now inaccessible. All 29 municipalities were contacted successfully.

Two old sites were used by the City of Belleville and are well documented in MoE files; 1065 in the City which has an hotel on site, and 1066 in Thurlow Township. In addition, the city engineer believes that an area along the shoreline near the anchorage on Front Street may be a former site.

In the Town of Trenton, the one site (1067) is adjacent to the Bay of Quinte and to housing. In the Village of Tweed and adjacent Hungerford Township seven sites were surveyed (1073-1079). Five are former domestic sites in rural or bush areas; 1076 is an industrial dump for wood materials located in a farm and marsh area; 1079 is a former sulphuric acid plant site. The latter site showed clearly visible leachate and large patches of bare and discoloured ground. Drainage was to two ponds that eventually feed into a large resort lake. This site was immediately reported to MoE Kingston Office, who are investigating further. Site 1072 in Tyendinaga Township has had garbage exposed by Hydro tower construction and was also reported.

In four cases (sites 1085, 1090, 1091, 1094) lot or concession numbers supplied by local informants differed from those in MoE files. Sites 1093 and 1094 could not be located by site visits. Most other sites were fairly remote from development or water bodies, except as noted in the listing.

COUNTY OF HASTINGS, SITE LISTING

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
1065	Belleville,			adjacent to Bay of Quinte, on site hotel; gas tested OK, leachate positive	1971	no	yes
	Bay Ridge Rd. (E. Zwich Island)						
1066	Belleville,			CNR industrial site	1971	no	yes
	Byron St. (Thurlow Twp 9,2)						
1067	Trenton, S of			adjacent to Bay of Quinte & residences	1971	yes	A360201
	Bay St.						
1068	Sidney Twp.			100 m. to propane dealer	1950's	no	no
	13 1						
1069	Sidney Twp.			30 m. to house	1972	no	no
	13 1						
1070	Sidney Twp.			remote site, old Aikens Rd. dump	1970	yes	A3626(?)
	18 1						
1071	Thurlow Twp.			200 m. to river, 50 m. to houses	1972	yes	A362601
	7 4						
1072	Tyendinaga			remote, some waste exposed by HEPC construction	1960's?	no	no
	30 2						
1073	Hungerford			30 m. to motel, old Thomas- burg dump	1955?	no	no
	1 4						
1074	Hungerford			80 m. to wrecking yard bldg. DMV site	1963	no	yes
	2 4						
1075	Hungerford			remote site	1971	yes	A361703
	19 8						
1076	Hungerford			remote industrial site	? may be act- ive	no	?
	8 10						
1077	Tweed, S. of			200 m. to farm buildings, small site	1960?	no	no
	County Rd. 39						
1078	Hungerford			90 m. from house	1971	yes	A361704
	18 12						

1079	Hungerford 22&23 11	old Allied Chemical plant, leachate problems evident, 80 m. to house	1965?	no	yes
1080	Huntingdon 12 13	remote site	1972	yes	A361801
1081	Madoc 10 6	70 m. to house, old Madoc town dump	1972	yes	A362001
1082	Tudor 4 18	60 m. to house	1971	yes	A362702
1083	Wolleston 17 9	remote site	1950's	yes	A362901
1084	Dungannon 27 6	200 m. to garage, 40 m. to Gould Lake	1973	yes	A361301
1085	Faraday 6 A	adjacent to creek, 50 m. to house reported as lot 7	1972	yes	A361501
1086	Faraday 3 12 (Gaebel Rd.)	100 m. to creek, 30 m. to house, old Bancroft dump	1922	yes	A361502
1087	Mayo 24 13	MNR owned	1971	yes	A362201
1088	Wicklow, lot 4 E. Hastings Rd.	30 m. to creek, on-site house	1968	no	no
1089	Herschel 8 2	relatively small and remote	1960's	no	no
1090	Herschel 10 10	100 m. to house (files say lot 9)	1960's	no	no
1091	Huntington 2 7	remote site (files say conc. 3)	1972	yes	A361803
1092	Huntingdon 6 3	100 m. to creek, 30 m. to house	1971	yes	A361802
1093	Elzevier 2 4	remote site, unable to locate	1972	yes	A361401
1094	Grimsthorpe 13 1	adjacent to river, unable to locate (files say lot 11)	1972	yes	A361402

County of Frontenac (Margaret Warren, late July - August, 1979)

Farming, institutional and light industry are the main economic activities in Frontenac County. Aside from the City of Kingston and Kingston Township, all other municipalities have small populations.

Some ten sites were surveyed, all of which were known to the MoE District Office. In addition, two additional dumps in Portland Township (lot 13, conc. 10 and lot 18, conc. 10) were mentioned by local informants but could not be located for inspection (noted on form 1099). Howe Island Township could not be contacted despite repeated attempts, but the 15 other municipalities were successfully contacted.

Most of the rural sites are small and remote from water or housing, except 9090, 9097 and 9099 as noted in the listing. Two sites were located in the City of Kingston. Site 9090 is an incinerator site on Division St. where ashes and waste were dumped. Site 9091 (Cotton's Pasture) is in a predominantly industrial area where workers installing sewers are reported to have received creosote burns while excavating.

COUNTY OF FRONTENAC, SITE LISTING

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
9090	Kingston,	Divi-		former incineration site	1950's	no	yes
		sion & Railway					
		Sts.					
9091	Kingston			former slag dump	1951	no	yes
	Russell & Bagot						
	Sts.						
9092	Clarendon			site now under road	1970	yes	A380404
	23 4						
	(MoE says 7)						
9093	Miller			remote (not found)	1969	no	yes
	11 NE Range						
9094	Kingston Twp.			250 m. to municipal office;	1962	yes	A380101
	10&11 3&4			still used for brush and			
				concrete, etc.			
9095	Oso			difficult to locate	1971	no	yes
	17 1						
9096	Palmerston			on-site beaver pond	1970	yes	A381201
	9 8						
9097	Palmerston			30 m. to house	1960's	yes	A381202
	29 4						
9098	Pittsburgh			unopened road allowance	1960's	no	yes
	Buttenut Ck.Rd.			(not located)			
9099	Portland			30 m. to house	1969	no	yes
	7 6						

County of Leeds and Grenville (Margaret Warren, Mid-July-August, 1979)

Leeds and Grenville is mainly agricultural with tourism also important. Aside from Brockville, with about 20,000 people, only Gananoque, Prescott and Kemptville approach a population of 5,000.

This pattern of low population and lack of industrial concentration underlies the finding that most old waste sites are relatively small and were used by a single municipality. In all, some 23 sites were identified, of which 12 had not been previously recorded by the Ministry. Of the 25 municipalities, all were successfully contacted except the Township of South Gower (pop. 1120) and the Village of Newboro (pop. 244). Information from Front of Yonge Township was received too late to follow up.

In Brockville, two sites (9069 and 9070) were identified. The former is presently a baseball diamond located near the bank of a creek and adjacent to housing. The latter is partly under Chemical Road and wastes from drug and cable manufacturers are reported to have been dumped there. Gananoque produced one site, 9071, which had an incinerator operation and which is fairly close to water and buildings.

In Prescott, three sites in close proximity were surveyed as site 9072. There is now a high school on part of the site, and a plan of subdivision is pending for other portions, on which MoE has commented with specific recommendations. The one Kemptville site, 9073, is also proposed for townhouse development. Two sites in the Village of Westport, 9076 and 9077, are on river banks but are quite small.

In the Township of Bastard, the site 9079 has some uncovered waste on a hillside. Also, site 9088 in Rear of Leeds and Lansdowne has uncovered wastes, with a house under construction nearby. The old Lyndhurst dump, site 9087, also displayed uncovered waste but is 100 m. from the nearest house.

The remainder of the sites are generally unremarkable, though some as shown in the listing are fairly close to water or development.

COUNTY OF LEEDS and GRENVILLE, SITE LISTING

Site#	Location		Remarks	Closed	Status	
	Twp.	Lot Conc.			Cert.	MoE files
9069	Brockville		ballfield, adjacent to house, 20 m. to creek	1952	no	yes
	Eleanor & William Sts.					
9070	Brockville		200 m. to house, possible drug mfg. chemical waste	1968	no	*
	Chemical Rd.					
9071	Gananoque		50 m. to creek, 100 m. to commercial bldg.	1971	yes	A440201
	Old S. Lake Rd.					
9072	Prescott		school on-site (3 nearby waste sites) plan of subdivision pending	1962-68	no	07T79047
	Edward St.					
9073	Kemptville		30 m. to house, proposed for townhouses	1930	no	*
	Oxford St. E & Bridge St.					
9074	Athens Village		30 m. to house	1945	no	*
	end of Elgin St.					
9075	Merrickville		now used for sand & gravel storage	?	no	*
	Collar & Brock Sts.					
9076	Westport Vill.		adjacent to lake, 10 m. to house	1954	no	*
	Whelan St.					
9077	Westport Vill.		adjacent to pond, 20 m. to house	1930	no	*
	Carding Mill Rd.					
9078	Augusta		20 m. to house	1966	no	*
	33 2					
9079	Bastard		gravel yard site (MoE files show lot 25)	1972	yes	A441101
	23 7					
9080	Edwardsburgh		Esso restaurant site	1959	no	yes
	7 1					
9081	Front of Escott		200 m. to house	1966	?	?
	6 BF					
9082	Front of Leeds & Lansdowne		remote site, not found	1952	no	yes
	20 2					

9083	Front of Leeds & Lansdowne 17 1	old township dump	1971	yes	A442001
9084	Front of Yonge 3 BF	not visited (noted Sept 3/79)	1969	no	*
9085	Front of Yonge 19 1	not visited (noted Sept 3, 1979) (MoE list shows conc. BF)	1950's	no	*
9086	Kitley 8&9 3	remote site	1965	no	*
9087	Lyndehurst 6 9	100 m. to house, old Lynde- hurst dump, uncovered wastes (MoE files show lot 5)	1971	yes	A442101
9088	Rear of Leeds & Lansdowne 4 6	house under construction nearby, uncovered wastes	1968	no	*
9089	Rear of Leeds & Lansdowne 4 8	20 m. to canal, 50 m. to house old Seeley's Bay dump	1953	yes	A442102

County of Lennox and Addington (Margaret Warren, late July, 1979)

The county is predominantly a farming area with tourism also a major activity. Napanee is the only urban centre. Most sites tended to be small and used by a single municipality. All 13 municipalities were successfully contacted, but the sites in the Townships of Adolphustown and Camden East could not be found from information received.

Ten sites were identified in all. All but one were known to MoE previously. Four sites are on or near rivers; site 9100 in Napanee, site 9101 in Bath, site 9103 in Newburgh and site 9108 in Kaladar. One of the three sites in Ernestown, 9106, has been built upon, and another, 9107, has uncovered waste.

Otherwise, the sites in the listing appear relatively unproblematic, with proximities to water and development as noted.

COUNTY OF LENNOX and ADDINGTON, SITE LISTING

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
9100	Napanee			on riverbank, 20 m. to apartment and townhouses	1969	no	yes
	Napier St.						
9101	Village of Bath			parkland, adjacent to water	1940's	no	yes
	Hwy. 33						
9102	Village of Bath			behind houses, not close	1950's	no	yes
	Co. Rd. 7						
9103	Vill. of New-			20 m. to house, 120 m. to to river (old sawmill)	1962	no	*
	burgh						
	Co. Rd. 1						
9104	Adolphustown			gravel pit, no road access	1964	yes	A370402
	Hwy. 33 near						
	ferry						
9105	Camden East			remote, on old RR line	1965	no	yes
	41	6					
9106	Ernestown			20 m. to house	1955	no	yes
	38	4					
9107	Ernestown			uncovered waste, remote	1970	no	yes
	7&8	6					
9108	Kaladar			near riverbank	1973-	yes	A371107
	24	5			4		
9109	Sheffield			100 m. to house	1973	yes	A371307
	4	7					

County of Prince Edward (Ken Jones, mid-July, 1979)

Prince Edward is a relatively pastoral county, but tourism increases the population of 22,000 considerably in season. Picton is the only town. All 10 municipalities were successfully contacted.

Only six sites were found, five of which were former domestic waste sites and one (1060) a roadside dump still being used to some extent. Four sites were previously known to the Ministry.

Site 1061 in Athol Township is in a campground park area, but has been checked. Similarly, site 1059 in Hallowell Township has a house on site which has been gas tested. The newly recorded site 1062 in the Village of Wellington has a telephone switch house nearby. One site (1064) is in a bird sanctuary operated by the Canadian Wildlife Service and is 30 m. from the lake shore.

COUNTY OF PRINCE EDWARD, SITE LISTING

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
1059	Hallowell			adjacent to creek, house on site (tested)	1950's ?	no	yes
1060	Hallowell			20 m. to house, active roadside dump	?	no	*
1061	Athol	9	1	20 m. to cottages in camp-ground site (tested)	1974	yes	A350501
1062	Wellington			30 m. to telephone switch house	1974?	no	*
1063	Sophiasburgh	30	1	remote	1973	yes	A351002
1064	S. Marysburgh			30 m. from lake in CWS sanctuary	1978	no	yes
	12 or 13, Long Point						

CORNWALL DISTRICT

United Counties of Prescott & Russell

(Ken Jones and Margaret Warren,
July, 1979)

These counties are rural and largely agricultural, and most of the former waste disposal sites are small and remote from development and water bodies. Some exceptions were found in and around the industrial Town of Hawkesbury, where several disposal sites for bark and sawdust were found.

General information on these was gathered and forwarded to the Cornwall MoE District Office for further investigation.

Some 29 sites were identified, of which all but 13 were on MoE records. All 18 municipalities were successfully contacted.

In Hawkesbury, four sites were identified. Two of these (1045 and 1046) are domestic waste sites now in vacant bush areas, with 1046 being close to housing. The other two are bark and sawdust sites, with 1047 now public open space and 1048 on a mill property, both near the Ottawa River. In West Hawkesbury Township, in addition to two former domestic waste disposal sites (1050 and 1051) and an unregistered active roadside dump (1052), sawdust deposits were reported in a further site area (1049).

In the Town of Rockland, one of the two former sites (9037) is on the river bank and the other (9038) is on a vacant lot surrounded by houses. One of the two sites (1055) in the Village of Alfred, on MCSS property, had uncovered waste and was reported to the District Office.

The two Township of Alfred sites (1053 and 1056) are both close to isolated houses and 1053 is part of the hamlet of Lefaive. Of the five sites in the Township of Clarence, only one (9044) is of significant size. It is near a house. Site 9042 has some uncovered waste.

One of the two Township of North Plantagenet sites (9046) is near a watercourse and housing. Both sites (9050 and 9051) in the Township of Russell are close to housing.

Other than those noted above, other sites in the listing are more remote from development and water bodies.

UNITED COUNTIES OF PRESCOTT AND RUSSELL, SITE LISTING

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
1045	Hawkesbury, Main			adjacent to Ottawa River, 60 m. to residence	1950's	no	yes
	St. E. & Tupper			St.			
1046	Hawkesbury, E.			20-30 m. from residences	1960's	no	yes
	of Tupper at						
	Lansdowne						
1047	Hawkesbury, Con-			adjacent to Ottawa River, 30 m. from museum in park	?	no	yes
	federation Park						
1048	Hawkesbury, off			adjacent to Ottawa River	1960's	no	yes
	Main St. W.			on C.I.P. site			
1049	W. Hawkesbury			several small sawdust sites	?	no	*
	Twp., Green			in general residential area			
	Lane area						
1050	W. Hawkesbury			40 m. to house	1971	no	*
	Twp.						
	12 6						
1051	W. Hawkesbury			30 m. to house, some exposed	?	yes	yes
	Twp.			debris			
1052	W. Hawkesbury			adjacent to creek, 40 m. to	?	no	*
	17 5			house, active roadside site			
1053	Alfred Twp.			30 m. to house	1972	yes	470902
	19 1						
1054	Alfred Vill.			remote	1973	no	*
	Alfred Twp.						
	8 6						
1055	Alfred Vill.			uncovered waste, on MCSS	1977	no	*
	Alfred Twp.			site			
	8&9 6						
1056	Alfred Twp.			30 m. to mobile home	1972	yes	470901
	1 6						
1057	Caledonia Twp.			30 m. to house under HEPC	1973	yes	471001/2
	14 5			right of way			
1058	Longeuil Twp.			remote	1977	no	*
	L'Orignal						
	Village						

9037	Rockland E. side of Edward St.	near Ottawa River bank	1964	no	*
9038	Rockland N. of Albert St. near Edward	25 m. to residences	1964	no	*
9039	Casselman Vill. Cambridge Twp. 8 5	remote	1972	yes	471105
9040	Clarence Twp. 10 1	old roadside dump, remote	1972	no	yes
9041	Clarence Twp. 5 5	small remote dump	1972	no	yes
9042	Clarence Twp. 15 8	very small dump, 100 m. to house, some uncovered waste	active ?	no	yes
9043	Clarence Twp. 15 7	small dump, 150 m. to house	1970	no	yes
9044	Clarence Twp. 19 4	25 m. to house	1970	no	yes
9045	N. Plantagenet Twp. 11 7	remote, old Cunan dump	1969	no	*
9046	N. Plantagenet Twp. 13 1	close to house, near Ottawa River	1969	no	*
9047	Plantagenet Village, N Plantagenet Twp. 4 5	rumoured vacant pit	1963	no	*
9048	Plantagenet Village 4 5	rumoured gully site	1969	no	*
9049	Plantagenet Village 9 3	rumoured quarry site	1969	no	*
9050	Russell Twp. 10 7	20 m. to mobile homes	1971	yes	471903
9051	Russell Twp. 11 4	30 m. to house (locally reported as on lot 10)	1974	yes	471901

United Counties of Stormont, Dundas & Glengarry

(Ken Jones and Margaret
Warren, July, 1979)

These counties comprise mainly agricultural areas surrounding the industrial centre of Cornwall. All 21 municipalities were successfully contacted, and a total of 30 sites were identified. Of these, 13 were rural and the other 17 were in the City of Cornwall. Most of the latter are close to development and some have caused problems, but all are known to the MoE and have been appropriately tested. Only two rural sites were unknown to MoE. Just four of the Cornwall sites (1024-1027) are old dumps with primarily domestic wastes. Another (1028) is more recent and mainly industrial. The others are old bark deposits which MoE has investigated. It is probable that more of these exist but they usually are discovered only when construction takes place since they are rarely evident from visual inspection. In addition, a war industries site (1029) is being explored with DND.

Of the rural sites, the one (9027) in the Village of Chesterville has uncovered waste dumped over a riverbank. Site 9031 in the Village of Iroquois has minor leachate visible but is relatively remote and not road accessible.

The Township of Finch site (9026) is 60 m. from a house. Both sites in Lochiel Township (9032 and 9033) have houses on or near, but gas tests are negative. The site 9035 in the Township of Mountain is on a river bank but also tests negative. The Township of Osnabruck has one site (9025) used for disposal of food sludges and three rumoured sites (not found).

Otherwise, the rural sites have few problem characteristics.

UNITED COUNTIES OF STORMONT, DUNDAS and GLENGARRY, SITE LISTING

Site#	Location			Remarks	Closed	Status	
	Twp.	Lot	Conc.			Cert.	MoE files
1024	Cornwall, Ont.			adjacent to drainage ditch in park, city service bldg. & residences nearby, gas tested OK	1960	no	yes
1025	Cornwall, Pitt & Kensington Sts.			adjacent car dealership, gas and leachate tested OK	1948	no	yes
1026	Cornwall, Augustus & Mutual Sts.			adjacent to St. Lawrence Riverbank gas tested OK	1948	no	yes
1027	Cornwall, Cornwall Centre Rd & CNR tracks			adjacent to 2 creeks, gas tested positive	1967	no	yes
1028	Cornwall, Toll-gate Service Rd. & Hwy 41			remote site	1969	no	yes
1029	Cornwall, D.I.L. Site			75-150 m. from residences	?	no	yes
1030	Cornwall, Park Rd. & Belmont St.			adjacent to St. Lawrence River, college site; gas test positive, regularly monitored by Fire Dept.	1957	no	yes
1031	Cornwall, Munroe Av.			on-site residences; gas tested positive	1959	no	yes
1032	Cornwall, Baldwin Ave. at Gladstone P.S.			adjacent to school & residences; gas test positive in playground	1957	no	yes
1033	Cornwall, Hoople Av. & 2nd St.			on-site residences; gas tested OK	?	no	yes
1034	Cornwall, 2nd St. & Brookdale Ave.			on-site residences	?	no	yes
1035	Cornwall, Hwy 2 West			adjacent to trailer dealership	?	no	yes

1036	Cornwall, 13th St & Pitt St.	30 m. to residences & commercial	?	no	yes
1037	Cornwall, 6th St. & Sydney St	residential & CPR on-site	?	no	yes
1039	Cornwall, 11th to 12th Sts, McConnell to Carleton	residences on-site	?	no	yes
1040	Cornwall, N. of Tollgate Rd.	near school board stores bldg.	?	no	yes
1041	Cornwall Twp. 19 5	small remote site	1960's	no	*
1042	Kenyon Twp. C.Rd. #24 22 7	small site, 200 m. to river	1973	yes	481302
9025	Osnabruck Twp. 19 2	used formerly by Kraft Foods Ltd. (note: 3 other rumoured sites listed on 9025 in Twp.)	1970	yes	481805
9026	Finch Twp. 10-11 10	60 m. to house	1963	no	yes
9027	Village of Chesterville Winchester Twp. 20 4	adjacent to river, some uncovered waste	1974	yes	480301
9028	Vill. of Winchester Winchester Twp. 4 5	150 m. to house	1968	no	yes
9029	Winchester Twp. 17 12	remote, some waste uncovered	1969	yes	485701
9030	Williamsburg Twp. 27 1	used by Morrisburg, 150 m. to house	1975	yes	482003
9031	Iroquois Vill. RP 50, lot 7	minor leachate observed	1971	yes	480501
9032	Lochiel Twp. 5 5	on-site residence, gas tested OK	1962	no	yes
9033	Lochiel Twp. 37 3	old Alexandria dump, 150 m. to house, gas tested OK	1972	yes	481502

9034	Matilda Twp. 35 4	remote, tested OK (MoE files say lot 33)	1973	yes	481602
9035	Mountain Twp. 8 2	adjacent to river, 150 m. to house, tested OK	1953	yes	481701
9036	Williamburg 31 4	small rumoured site on un- opened road allowance	1964	no	*

OTTAWA DISTRICT

County of Lanark (Margaret Warren, early June, 1979)

Lanark County is mainly devoted to agriculture and tourism, with industry located in the three towns of Smith Falls, Perth and Carleton Place, which are between 5,000 and 10,000 population. All 17 municipalities were successfully contacted, except for the Township of Lavant, Dalhousie and North Sherbrooke where the clerk had recently resigned and no details on their four sites could be obtained. Aside from the latter, some 17 sites were identified and surveyed, of which only 2 were unknown to MoE.

The four sites in Smiths Falls (9052-9055) are all grouped near the Rideau River. They have sparse vegetation and are planned for open space. Of the three sites in Perth, 9058 is near a house on land proposed for residential development, 9059 is near the river on hazard land and 9060 is also close to the river and zoned industrial. In Carleton Place, only one site (9057) is identified, an old filled-in quarry on the riverbank planned for parkland.

The site 9056 in Ramsay Township has a cablevision tower on or adjacent to it, and is near a house. Both sites (9061 and 9062) in the Village of Lanark have houses on or near, and 9061 is on a riverbank in a swampy filled area. Two sites, 9063 in Bathurst Township and 9065 in Drummond Township, are near the municipal buildings. Site 9066 in Pakenham Township is a very old site, in a gully between two houses, containing a creek.

Other sites were remote and unproblematic.

COUNTY OF LANARK, SITE LISTING

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
9052	Smith Falls			near Rideau River	1968	no	yes
	Jasper Ave						
9053	Smith Falls			near Rideau River	1969	no	yes
	Old Slys Rd.						
9054	Smith Falls			near Rideau River	1970	no	yes
	Old Slys Rd.						
9055	Smith Falls			near Rideau River	1968	no	yes
	Old Slys Rd.						
9056	Ramsay			used by Almonte, 50 m. to	1971	yes	451703
	17	9		house, cable TV tower on site			
9057	Carleton Place			under ball diamond, near	1964	no	*
	Sussex Dr.			arena and river			
9058	Perth			30 m. to house	1962	no	yes
	Craig &						
	Provost St.						
9059	Perth			10 m. to river	1968	no	yes
	Brock &						
	Riverside						
9060	Perth			50 m. to river	1964	no	yes
	Riverside &						
	Craig						
9061	Lanark			on riverbank, 50 m. to	1955	no	yes
	Clarence &			house			
	Canning						
9062	Lanark			house under constr. on site	1971	no	yes
	3	3					
9063	Bathurst			remote site	1970	no	*
	5&6	5					
9064	Bathurst			10 m. from municipal bldg.	1965	no	yes
	20	3		under parking lot			
9065	Drummond			20 m. from township office	1970	yes	451103
	13	6					

9066	Pakenham 11 11	25 m. to house, 100 m. to river	1930	no	yes
9067	Ramsay 24 2	remote site	1970	no	yes
9068	South Sherbrooke 11 4	remote site	1970	yes	451803

Regional Municipality of Ottawa-Carleton

(Ken Jones and Margaret Warren,
June, 1979)

The Region is made up of a rural agricultural area surrounding the large urban centre of Ottawa. Since Ottawa has had relatively little industrial development except for sawmills operated many decades ago most waste sites contain essentially domestic or commercial wastes.

All 11 municipalities in the Region were successfully contacted, and some 43 sites were identified. Of these, only 11 were unknown to the Ministry. Three are currently operating and certified, and three closed sites were earlier certified.

The main mode of research was direct contact with municipal officials and knowledgeable residents, and the National Archives were also used for information. The latter was extremely difficult to use, since domestic dumps were rarely recorded and sawmill locations can only seldom be related to present day sites. Three sites were reasonably well located and are included. Of the 15 more recent sites in Ottawa, all are near development or water bodies, but all are known to the City and MoE. Of the sites in the rural and near-urban municipalities, 9001 in Nepean is occasionally used as a swimming hole, 9012 in Gloucester Township is about 20 m. from houses and a school. Site 9011 in Gloucester has been used as a DND chemical dump.

Otherwise, most sites were unproblematic.

REGIONAL MUNICIPALITY OF OTTAWA-CARLETON, SITE LISTING

Site#	Location		Remarks	Closed	Status	
	Twp.	Lot Conc.			Cert.	MoE files
1006	Ottawa		adjacent to townhousing, now softball diamond	1957	no	yes
	Pinecrest & DuMaurier					
1007	Ottawa		60 m. to high-rise apart- ment on recreational land	1959	no	yes
	Parkway nr. Richmond					
1008	Ottawa		30 m. to housing and stores, 1953 now ball fields		no	yes
	McBride & Raven					
1009	Ottawa		30 m. to houses, under park near swimming pool	1947	no	yes
	Larose & Larkin					
1010	Ottawa		garages and works yard on site, 100 m. to Ottawa River	1947	no	yes
	Bayview & Slidell					
1011	Ottawa		adjacent to Nepean Bay, vacant	1964	no	yes
	LeBreton Flats					
1012	Ottawa		50 m. to church and court- house, now football field	1946	no	yes
	Bronson (Carleton U.)					
1013	Ottawa		on site arena, offices and pool	?	no	yes
	Bronson (Brewer Park)					
1014	Ottawa		school on site, 80 m. to Sauniell Creek	1947	no	yes
	Bank nr. Kilborn					
1015	Ottawa		15 hectare area along Rid- eau River 30 m. to high school	1963	no	yes
	Riverside Drive					
1016	Ottawa		1.5 ha. area near Dale Ave. 30 m. to high school	1957	no	yes
	Riverside Drive					
1017	Ottawa		Algonquin College on site (5.2 ha.) 100 m. to Rideau River	1947	no	yes
	Lees Av. (Alg. Coll.)					
1018	Ottawa		100 m. to Rideau River, 200 m. to RCMP headquarters	?	no	yes
	Riverside & Queensway					

1019	Ottawa & Vanier Montreal Rd.	on site townhousing, church, near Notre Dame Cemetery	?	no	yes
1020	Ottawa Burnside & Slidell	30 m. to apartment bldgs. 100 m. to Ottawa River	1947	no	yes
1021	Ottawa Scott (Laroche Park)	parkland	1920's?	no	*
1022	Ottawa Duke & Park- way	vacant, open space	1920's	no	*
1023	Ottawa Broad St. (LeBreton)	vacant, former scrapyard	1920's?	no	*
1044	Marlborough 31 2	vacant agricultural	1971	no	yes
9001	Nepean 15 5 (Moodie Dr.)	former pit, used as swimming hole	1965	no	yes
9002	Nepean 34 3 (Cedar- view)	former pit in green belt	1958	no	yes
9003	Goulbourn 15 10	bush and swamp area	still open	yes	460803
9004	Goulbourn 18&19 10	vacant field, Stittsville Dump	1962	no	yes
9005	Goulbourn 15 3	vacant field	1971	no	yes
9006	Goulbourn 18 4	abandoned Richmond Dump	1973	no	yes
9007	Goulbourn 17 5	active illegal trash dump	-	no	*
9008	Goulbourn 22 7	active illegal trash dump	-	no	*
9009	Nepean 27 5	NCC greenbelt	1958	no	*
9010	Kanata (March) 10&11 2	access road blocked by wastes	1974	no	yes

9011	Gloucester 16 3	MoT site used by DND as chemical dump (no tres- passing posted)	1972	yes	460701
9012	Gloucester 26 4	20 m. to school & houses,	-	yes	460706
9013	Gloucester 25 6	old quarry, still active	-	no	*
9014	Cumberland 10 6	remote site	1969	yes	461602
9015	Cumberland 10 3	vacant pit	1966	no	*
9016	Cumberland 19 4	200 m. to Bear Brook	1975	yes	461603
9017	Cumberland 22 6	small remote site, was illegal dump	1976	no	yes
9018	Cumberland 24 8	site reforested	1976	no	yes
9019	Cumberland 21 9	remote, illegal dump, road blocked by garbage	-	no	*
9020	Cumberland 22 5	vacant pit	1964	no	*
9021	Cumberland 24 A	remote, garbage contractor's site	1976	no	*
9022	Cumberland 5 4	still active	-	yes	460702
9023	Torbolton 12 2	opposite proposed housing site	1971	no	yes
9024	Huntley 21 3	pasture, remote from development	?	no	yes

County of Renfrew (Margaret Warren, late August, 1979)

Renfrew County covers nearly 8,000 square kilometers, much of which is lightly populated. Four urban centres range between 5,000 and 15,000 in population and contain some industry. Otherwise, agriculture and forestry predominate.

Owing to lack of time near the end of the study period, not all of the 37 municipalities could be contacted successfully. It was decided to concentrate on the urban centres and villages, and consequently only six of the 25 townships were covered. The average population of those townships that could not be reached is about 700, and few sites are likely to be found, but these areas should be surveyed for complete coverage.

Some 16 sites were identified, of which 5 were unknown to the MoE. Most sites were small, and many had been used jointly by two or more municipalities. Site 9110, in Arnprior, is adjacent to a proposed housing development, and both sites 9011 and 9012 in Deep River are near housing. Site 9012 is a former DIL/AECL location. In North Algona Township, a house is built on site 9124.

Otherwise, few problems were noted, with site characteristics as noted briefly in the site listing.

COUNTY OF RENFREW, SITE LISTING

Site#	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
9110	Arnprior			25 m. to house, 150 m. to Ottawa River	1966	no	yes
	McLean & McNabb						
9111	Deep River			15 m. to house, under toboggan hill in park	1940's	no	yes
	Ridge Rd.						
9112	Deep River			10 m. to houses, owned by AECL, formerly DIL.	1950	no	*
	Cabot Pl. & Alexander						
9113	Ross			remote site, no road access	1960	no	*
	18 2						
9114	Grattan			remote site	1965	no	yes
	18 19						
9115	Petawawa			municipal bldg. on site	1960	no	yes
	Victoria St.						
9116	Petawawa			on riverbank, 20 m. to house	1964	no	yes
	Centennial Park						
9117	Hagarty			remote site	1970	no	*
	20 13						
9118	Clara			not surveyed	1971	no	yes
	Deux Rivieres						
9119	Maria			vacant	1971	no	yes
	Bissett Creek						
9120	Horton			remote, vacant	?	no	yes
	5 6						
9121	McNabb			50 m. to mobile home, some uncovered wastes	1960	no	yes
	13 13						
9122	McNabb			100 m. to house	1970	no	yes
	19 5						
9123	McNabb			50 m. to house, some uncovered wastes	1963	no	yes
	4 5						
9124	North Algona			house on site	1950's	no	*
	1 1&2						
9125	Westmeath			vacant	1968	no	*
	3 NTD						

SUMMARY FOR SOUTHWESTERN REGION

Researchers: Marilyn Minden, Gabriel Tobar, Judy Thompson

The researchers compiled information on 352 sites identified in this Region, of which 89 (or 25%) were not previously in MoE files. The newly-identified sites were mainly small and in rural areas, though a few were built-up sites in urban areas.

The coverage of the Southwestern Region can be considered largely complete, although a number of the smaller municipalities in the Owen Sound District were not contacted owing to lack of time near the end of the study causing a decision to concentrate on the more developed portions of the otherwise relatively thinly populated counties involved. It is expected that few unidentified sites have been missed, since the District Office had obtained a good response to their earlier letters to the municipalities.

In this Region, industrial concentration is significant in the London, Windsor and Sarnia areas, and further significant industry has long been distributed over most of the smaller cities and towns for many decades. A productive agricultural base in nearly all rural areas has also lead to a significant representation of agricultural chemical production and distribution in the area. The researchers were able to contact a relatively lengthy list of industries in most counties, as noted in the county summaries.

The City of London has a large number of old sites, and the occurrence of some specific problems has lead the city to have the sites tested by consultants in 1978. Several sites were considered active methane producers, and all are relatively close to development or watercourses.

In other cities, while the number of older sites is smaller than in London, some potential problems may exist and comments occur in the county summaries.

SUMMARY TABLE, SOUTHWESTERN REGION

<u>District/County</u>	<u>Total Identified</u>	<u>current cert.</u>	<u>former cert.</u>	<u>MoE files</u>	<u>newly ident.</u>
<u>London</u>					
Elgin	34	-	4	19	11
Middlesex	77	-	9	54	14
Oxford	45	-	2	26	17
Perth	13	-	1	9	3
Sub-totals	169	-	16	108	45
<u>Chatham</u>					
Kent	29	-	3	8	18
<u>Owen Sound</u>					
Bruce	18	-	-	15	3
Grey	42	1	2	34	5
Huron	29	-	6	19	4
Sub-totals	89	1	8	68	12
<u>Sarnia</u>					
Lambton	21	-	-	19	2
<u>Windsor</u>					
Essex	44	-	4	28	12
TOTALS	352	1	31	231	89
(%)	(100%)		(9%)	(66%)	(25%)

LONDON DISTRICT

County of Elgin (Gabriel Tobar, June, 1979)

Elgin has been a predominantly agricultural county, with significant industry developing mainly in St. Thomas. Much of this industry is relatively recent.

All of the 17 municipalities were successfully contacted, and a total of 34 sites were identified. Of these, 11 were newly identified; four were formerly certified and the remainder otherwise known to MoE. The District Office post-study review indicated that they have knowledge of an additional 15 sites in St. Thomas, not included in the above total.

Outside MoE, the primary contacts were with municipal clerks and road superintendents. Although waste disposal in the county is now well organized, it was much more scattered in past decades, leading to a profusion of small sites in some townships. Few of these pose evident problems although they often are located in ravines or adjacent to watercourses.

Of the urban sites, in St. Thomas a number have been gas tested with negative results. In Aylmer, site 6006 is being built upon, but it is reported that the town has studied the site.

The following industries were contacted (Judy Thompson):

Brass Craft Canada, St. Thomas - scrap is sold, dry wastes contracted pickup
Brown Fintube, St. Thomas - scrap is sold, varsol to Tricil
Calco Metal Mfg., St. Thomas - may have used site 6012, dry wastes contracted pickup
Canada Vitrified Products, St. Thomas - contracted to St. Thomas Sanitary Collection
Canadian Timken, St. Thomas - small old site 5087 on own property
Clevite Ltd. Mechanical Products Div., St. Thomas - liquids to Tricil, others to Sunset Dr.
Consolidated Bathurst, St. Thomas - dry wastes to St. Thomas Sanitary Collection, starch pit cleaned regularly by Jones Jack Trucking
Durametallic Corp., St. Thomas - scrap is sold, dry wastes to St. Thomas Sanitary Collection
Erie Flooring and Wood Products, St. Thomas - wood wastes burned in boilers, one load of metal bi-monthly to 6008
Essex Wire Corp., St. Thomas - used McCaig Collection Service (to 6004)
Ford Motor Co., St. Thomas - solids to Advanced Containers, sludge to lagoons on own property (mostly paint)
Ric-Wil Co., St. Thomas - only scrap wastes, which are sold
Therm-o-Disc, St. Thomas - used site 6004
Weatherhead Co., St. Thomas - early plating wastes (to 1960) to Mill Creek, now to sanitary sewers; oils to Sunset Dr. Site.

County of Elgin, Site Listing

<u>Site#</u>	<u>Location</u>		<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
6001	St. Thomas		small watercourse filled for highway, 50 m. to houses	1968	no	yes
	Hwy 402 site					
6002	St. Thomas		20 m. to houses, owned by city and CA	1965	no	yes
	Omeme St.					
6003	St. Thomas		100 m. to gas station, 200 m. to Kettle Creek	1973	no	yes
	Talbot St. W.					
6004	St. Thomas		adjacent to water treatment plant, under 100 m. to Kettle Creek	1965	no	yes
	Hwy 4 & Chester					
6005	St. Thomas		in creek valleys, 20 m. to houses, reported still used for street refuse	-	no	yes
	Chestnut St.					
6020	St. Thomas		20 m. to gas station, CA land	1965	no	yes
	Ross St.					
6021	St. Thomas		20 m. to houses, CA land	1974	no	yes
	East St.					
6022	St. Thomas		adjacent to creek, 20 m. to houses	1955	no	yes
	Palm St.					
5087	St. Thomas		Canadian Timken site, adjacent to storm drain, 50 m. to houses	1955	no	*
	Talbot St.					
6006	Aylmer		on site housing, studied by town	1970	no	yes
	Fourth Ave.					
6015	Aylmer		70 m. to houses, 100 m. to Catfish Creek, under parking lot	1968	no	yes
	Murray St.					
6007	Belmont		30 m. to Kettle Creek, 70 m. to house	1972	no	yes
	Union St.					
6008	Rodney		60 m. to barn, recent wastes reported	1966	no	yes
	Centre St.					
6009	Aldbrough		60 m. to house, patchy vegetation	1975	no	yes
	18 4					
6010	Aldbrough		remote and gated site	1972	no	yes
	17 8					

6012	Yarmouth 67 8	30 m. to houses, 100 m. to Catfish Creek, still used	-	yes	A051706
6013	Yarmouth 27 4	100 m. to Catfish Creek, leachate reported	1971	yes	A051702
6016	Yarmouth 2 1	adjacent to creek, 150 m. to houses, old Port Stanley site	1972	yes	A061704
6023	Yarmouth 22 4	100 m. to Catfish Creek, not exactly located	1930's	no	*
6026	Yarmouth 26 4	10 m. to Catfish Creek, 100 m. to house, old gravel pit, oily wastes observed (near 6013)	-?	no	yes
6036	Yarmouth 28 6	30 m. to Bradley Creek, 150 m. to house	1952	no	*
6014	Malahide 2 5	100 m. to Bradley Creek in CA parkland	1965	no	*
6025	Malahide 11&12 5	former Aylmer site, remote; presently transfer station	1978	yes	A051502
6017	Southwold 14 2nd R. N. of Union Rd.	300 m. to house	1977	no	*
6018	Southwold 4 1st R. W. of River Rd.	80 m. to house, 100 m. to Kettle Creek, possible leachate	1965	no	*
6019	Southwold 3 1st R. W. of River Rd.	20 m. to Kettle Creek, wooded area	1973	no	*
6199	Southwold 10 BF	remote location, old gravel pit	old?	no	*
6024	Southwold 14 1st R. S. of Union Rd.	(form unavailable for abstracting)			
6032	Bayham 6 8	80 m. to house, old gravel pit	1970	no	yes
6033	Bayham 21 1	adjacent to Lake Erie, recent junk wastes	-?	no	*
6034	Bayham 124 N. of Talbot	on creek in ravine, 200 m. to house	1970	no	yes

6035	Bayham 15 1	adjacent to S. Otter Creek. seasonal leachate reported	1970	no	yes
6037	Bayham Vienna Vill. Main St. N.	adjacent to Otter Creek	1970	no	*
6038	Bayham 27 10	300 m. to farm house	1971	no	*

County of Middlesex (Judy Thompson, June, 1979)

Middlesex has a long-established industrial base as well as extensive agricultural activity. Industry is concentrated in London, with a population over 250,000, although several smaller centres also have industrial establishments.

All 23 municipalities were successfully contacted, and all but one township had a former site. A total of 77 sites were identified, of which 14 were newly identified; 9 were formerly certified and the remaining 54 were also known to MoE. The rural sites tended to be small and dispersed, with few evident problems although many are located relatively close to watercourses or buildings.

The City of London contains 36 old waste sites, which were tested for methane in 1978 for the city by consultants. Many of these sites are quite old and have been built over, making their precise extent impossible to determine. The more recent sites are generally in parkland or open space, but are close to development and many were shown to be active methane producers in the 1978 tests.

Of the sites in the towns and townships, site 5003 in Strathroy has been built upon, but gas tests are reported negative. The characteristics of sites are briefly summarized in the site listing.

The following industries were contacted:

London:

- A.G. Anderson Ltd. - wood and insulation wastes, to City site
(not specified)
- Alma Paint & Varnish - dry wastes formerly to 2032 (Oxford),
solvents to recycling in Toronto, other liquids
to 6081 (Lambton), now Tricil
- Calumet & Hecla Wolverine Tube Div. - oils to Mac's Disposal, solids
to City sites (not specified), own site 5085
for chromites to 1960's
- Canadian Liquid Air - City collects most refuse, calcium hydroxide
to own holding tank
- Canadian Pittsburgh Glass - glass wastes to 5076 then other City
sites; liquids formerly to City sites, now Tricil
- Emco Ltd. - liquid wastes, to Tricil
- Emery Industries - fatty acids etc. to City sites (not specified)
- Ex-Cell-O Corp. - use City sites for solids (now Clarkside Rd.);
oils to holding tank
- Firestone Steel Products - solids to Clarkside Rd. site; oils to
Wasman & Sons, ferrous crystals to Rosay Assoc.
- George White & Sons - probably used a commercial dump in London
(from old plant)

G.M. Diesel Division - used 5012 initially, incinerated wood on own property; now use City site (not specified), former lagoon system replaced by treatment plant for alkalis, etc.

Hasson Steel Fabrications - only scrap wastes, sold

John Labatt Ltd. - bottle cleaning waste to sewers; solids to City sites, grains sold for cattle feed

Kasper-Roth - liquids to sanitary sewer; solids to City site (now Clarkside)

Kel Coatings Ltd. - collected by Don Phillips, to City site (not specified), liquids to Tricil

Keeprite Products Unifin Div. - solids to John Zubick, liquids to Mac's Disposal

Kellogg of Canada - has used 5046 and Clarkside; some liquids to Tricil, oil recycled, water-based cleaning materials to sewers

London Free Press - newsprint waste sold to Golden Gold, old ink to City sites

London Winery Ltd. - used own site 5082 until 1950's, then City sites, for grape pulp, diatomaceous earth and glass

Mac's Liquid Disposal - have used Tricil for 15 years, formerly used landfill sites (not specified)

McCormick's Ltd. - City sites used, 5065 from 1943 then 5046

3M Company - probably used 2032 (Oxford) for liquids 1961-68, then 6081 (Lambton) 1968-75; dry wastes to BFI since 1968; own site 5086 for incineration; one load/month of metal scrap to 6008

Na-Churs Plant Food - incinerator for solids, pond for liquid wastes, on own property

Northern Electric - liquids to sewers, solids to Superior Sanitation, plating wastes to own treatment plant

Oakside Chemicals - liquid wastes to Tricil

Ontario Bean Growers - solids and bean wastes to 5046, now Clarkside Rd.

Proto Tools - soluble oils to sewers, chromic acid via Mugford Disposals to 2032 (Oxford)

Richard-Wilcox Co. - liquids to Mac's Disposal, own former sites 5083 for sawdust, 5084 for machinery (no problems)

Schermerhorn Paint Products (Multiplex Chemicals) - no wastes reported at present, former liquid disposal not known

S.F. Lawrason Co. - own site (5107) used once in emergency, solids to City sites (not specified, includes 5046) plus 1 drum per week of liquid chlorinated solvents to City sites

Shamrock Chemicals, (herbicides) - only plastic and paper wastes, to City site (not spec.)

Somerville-Belkin Industries - always burned solids, liquids collected

Sparton of Canada - formerly used 2032 (Oxford)

Spramotor Ltd. - used City sites (not specified)

Webster Mfg. Ltd. - scrap is sold, paper and wood to City sites (not specified)

Wells Foundry - information in MoE files

Wilco Tubular - muriatic acid and water soluble oils, no site information

Strathroy

CPI Vamco Ltd. - scrap wastes sold, paper and wood to 5005 (to 1971)
Glendale Mobile Homes - solids incinerated, scrap sold, no liquid wastes

Phillips Electronics - used 5005

Strathroy Age Dispatch - used 5005

Other

Tender Tooties Ltd., Glencoe - used 5027 or current site (lot 22, RIN, Ekfrid) for fabric scraps and cardboard

Vandex Mfg., Delaware - scrap is sold, paper incinerated

Knoch Mfg., Dorchester - sell scrap, paper and wood burned, holding tank for sewage emptied by Mac's Disposal

Roes Stairs, Lambeth - wood and sawdust burned until 1973

Hardee Farms, Lambeth - vegetable waste sold; refuse formerly burned, now to City of London site (not specified); liquids to own lagoons

Lullabies of London, Mt. Brydges - fabric and rubber wastes to Mt. Brydges dump

County of Middlesex, Site Listing

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
5001	Parkhill			adjacent to Cameron-Gilles Drain, 75 m. to houses	1971	no	yes
	87 Plan	562					
5002	Parkhill			adjacent to Cameron-Gilles Drain, 15 m. to house	1948	no	yes
	89 Plan	562					
5013	Parkhill			adjacent to house, small site, possibly clean fill	1954	no	*
	John St.						
5003	Strathroy			adjacent to Mill Pond, on houses, gas tested negative	1941	no	yes
	Mill Pond St.						
5004	Strathroy			75 m. to houses	1964	no	yes
	Carroll & Park						
5005	Strathroy			adjacent to Sydenham River, 150 m. to house, barn	1971	yes	A040301
	Metcalf W. of Cemetery						
5029	Strathroy			adjacent to Sydenham River, 10 m. to garage	?	yes	A040301
	Metcalf NE of Cemetery						
5006	Biddulph			adjacent to Little Ausable River	1972	yes	A041001
	29 2						
5007	Biddulph			adjacent to Ausable River, 20 m. to house, old gravel pit	1960	no	yes
	2 2						
5008	Caradoc			300 m. to house	1962	no	yes
	18 RIN						
5009	Caradoc			25 m. to garage	1965	no	yes
	15 1						
5039	Caradoc			adjacent to drain, 300 m. to house, transfer station	1973	yes	A041103
	5 9						
5010	Ekfrid			20 m. to garage	1971	yes	A041402
	8 2						
5011	Ekfrid			600 m. to farm bldgs.	1954	no	yes
	8 1						
5027	Ekfrid			on site club house	1971	no	*
	23 2						

5028	Ekfrid 19 RIN	adjacent to Newbiggin Creek roadside gully	1971	no	*
5012	London Twp. 28 7	50 m. to club house	?	no	yes
5014	McGillivray 23 5	25 m. to Ausable River, 200 m. to barn	1960's	no	yes
5015	McGillivray 5&6 9	site not now evident	1973	no	yes
5043	McGillivray 10 19	scrap wastes on old road allowance, not exactly located	1969	no	*
5016	Metcalf 1 7	100 m. to Sydenham River, small road allowance site	?	no	yes
5019	N. Dorchester 22 2	adjacent to Dingman Creek	1955	no	yes
5020	N. Dorchester 7 5	adjacent to Whittaker Lake	1955	no	yes
5021	N. Dorchester 17 1&2	50 m. to house in Wardsville	1970	no	yes
5022	Westminster 76 WNTR	200 m. to house	1961	yes	A042101
5023	W. Nissouri 15 2	100 m. to gasoline station	1959	no	yes
5024	W. Nissouri 16 2	100 m. to houses	1949	no	yes
5025	Metcalf 1 6	not exactly located	?	no	yes
5026	Delaware 8 1	adjacent to Thames River, 150 m. to house	1971	no	*
5041	E. Williams 23 19	adjacent to pond, roadside site, herbicide tins observed	?	no	*
5042	W. Williams 11 9	10 m. to river, roadside site	1966	no	*
5044	Lobo 12&13 12	rumoured site, not located	?	no	*
6053	Mosa 17 RIN	500 m. to creek, farm bldgs.	1971	no	yes

6054	Mosa 21 3	500 m. to farm bldgs., in woodlot, empty pesticide containers	1967	no	yes
5045	London Thompson Rd.	parkland in residential area, gas vented	1956	no	yes
5046	London Commissioners Rd.	creek on site, adjacent apartment bldgs., gas vented	1971	yes	A040104
5047	London Pond Mills Rd.	surface drain on site, adja- cent houses	?	no	yes
5048	London River Rd.	adjacent to stream, model airplane field	1967	no	yes
5049	London The Crossway	65 m. to Thames River, 200 m. to houses, in parkland	1962 & 1971	yes	A040103
5050	London Weston St.	adjacent to Thames River, current snow disposal site	1961	no	yes
5051	London Euston St.	adjacent to houses, 160 m. to creek, gas vented	1972	yes	A040102
5052	London Elmwood Ave	adjacent to ponds and houses	?	no	yes
5053	London Forward Ave.	adjacent to Thames River, adjacent to houses and apt. bldg. gas vented, current snow disposal site	1961	no	yes
5054	London Greenside Ave.	adjacent to Thames River, under soccer field.	?	no	yes
5055	London Cove Rd.	adjacent to ponds and houses	1959	no	yes
5056	London Westown Site	adjacent to surface drain, shopping and apartments	pre-61	no	yes
5057	London Beauford St.	adjacent to Thames River, houses, tennis club	pre-61	no	yes
5058	London The Parkway	25 m. to Thames River, in CA flood plain	1961	no	yes
5059	London Victoria St.	under Gibbon Park, in residential area	pre-61	no	yes
5060	London Cromwell St.	on site housing	?	no	yes

5061	London Logan St.	adjacent to houses	pre-61	no	yes
5062	London Terra Cotta Ave.	on site housing	pre-61	no	yes
5063	London Elliot St.	on site housing and store	pre-61	no	yes
5064	London Grosvenor St.	on site recreation centre	?	no	yes
5065	London Mornington Ave.	on-site houses and apartments	1943?	no	yes
5066	London Rectory St.	adjacent commercial bldgs. and houses	?	no	yes
5067	London Oak St.	adjacent to houses, filled ravine	1959	no	yes
5068	London Hale St.	adjacent to houses	pre-61	no	yes
5069	London Balfour Pl.	residential area, former watercourse on site	?	no	yes
5070	London Pond Mills Rd.	adjacent to Thames River, sewage plant	1960	no	yes
5071	London Emerson Ave.	adjacent to industrial devel.	?	no	yes
5072	London Brookside St.	parking lot adjacent to commercial and industrial uses	?	no	yes
5073	London Bond St.	in residential area	?	no	yes
5074	London Moore St.	in residential area, multi- family	pre-61	no	yes
5075	London Percy St.	infilled ravine, adjacent to houses	?	no	yes
5076	London N. Talbot Rd.	in parkland	1965	no	yes
5077	London Oxford St. W.	adjacent to Thames River, near sewage plant	?	no	yes
5078	London Terrace St.	adjacent to creek and houses	pre-61	no	yes

5079	London Duchess Ave.	adjacent to houses	?	no	yes
5080	London Lockwood Park	park, adjacent to houses	?	no	yes
5081	London Lansdowne & Trafalgar	General Steel Wares site, 50 m. to industrial bldgs., rusty surface water observed in marshy area	?	no	yes
5082	London Wharncliffe St. S.	London Winery site, adjacent to plant, organic wastes reported	1954	no	*
5083, 5084	London Terrace St.	Richard-Wilcox Co. site, on site plant bldgs., sawdust and machinery wastes, 2 pits	1930's	no	*
5085	London Clark & Cheapside	Wolverine Tube Division site, 10 m. to plant bldgs, sulphuric & soda ash, adjacent to storm ditch	1968	no	*
5086	London Oxford St. E.	3M Co. site, 45 m. to plant bldgs., burned dry refuse	1961	no	*
5107	London Nelson St.	S.F. Lawrason Co. site, adjacent to house, used once	1957	no	*

County of Oxford (Marilyn Minden, June-early July, 1979)

Besides an extensive agricultural base, Oxford has considerable activity in quarrying, seed, feed, chemical fertilizer and light manufacturing industries. Industries are located mainly in Woodstock, Ingersoll and Tillsonburg.

All of the 8 municipalities were successfully contacted, as well as the main industries. Some 45 sites were identified, of which 17 were newly identified. Two sites were formerly certified and the remaining 26 were otherwise known to MoE.

In Oxford, a number of municipal sites have been used for the disposal of industrial wastes. A number of sites close to developed areas showed signs of gas emission, leachates or pollution of adjacent water bodies, as noted briefly in the site listing. The four Tillsonburg sites are in marshy terrain and have signs of either gas or leachate.

Rural sites were generally small and unproblematic, but several others may cause concern. Site 2024 in Norwich is adjacent to a creek which appears contaminated. Two sites in Zorra Township, 2032 operated formerly by Mugford Disposals and 2033 (Thamesford), show leachate flows.

Industries contacted were:

Woodstock:

Easy Way Products - use septic tank for cleansing wastes, solids to

Denby dump

Eureka Foundry (Kelsey Hayes) - site 2001 formerly used

Firestone Textiles - former caprolactam dump on own property (2038),
now use Tricil

Gardner-Denver - used Superior Sanitation, Larry's Scrap & Metal

Ingersoll:

Borden Co. - solid wastes via Superior Sanitation, probably to 2009 or
2011

Canada Silo - site 2007 on own property used for cement wastes

CIL - formerly used own site 2031

Chicago Vitreous - brick wastes to 2010

Ingersoll Machine & Tool - liquid wastes stored, then shipped to Sarnia,
soot to a gravel yard (unspec.)

Scott Douglas Plastics - use Superior Sanitation (to current city site)

Sentinel Review - scrap and dross sold

Stelco Chemical Lime Works - own site 2030 used for lime core, tailings
and general wastes; paper to Norwich Twp. dump
(unspec.)

Other:

Fleck Mfg. Tillsonburg - most solids recycled, oils sold; other refuse
to Baldwin & McDonald St. dump

Livingston Industries, Tillsonburg - own site 2040 formerly used

Beatty Farms, Thamesford - used own site 2033, 1949-present, for

solid and liquid wastes (to trench system)

CIL Fertilizers, Norwich - most tailings sold, paper is burned.

County of Oxford, Site Listing

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
2001	Woodstock			on site sewage plant, industrial bldgs. 60 m. to Thames River, has industrial wastes	1964	no	yes
2002	Woodstock			30 m. to creek, 15 m. to houses	1960	no	yes
2003	Woodstock			30 m. to arena, barn	1962	no	yes
2004	Woodstock			15 m. to Cedar Creek, adjacent to houses	1964	no	yes
2005	Woodstock			10 m. to houses, school, cemetery (some use to 1972 unofficially); gas present with control system; has industrial wastes	1959	yes	A070101
2038	Woodstock			Firestone Textiles Ltd., small area of white powdered waste, leachate	1971	no	*
2041	Woodstock			adjacent to houses, former city site	1920's	no	*
2042	Woodstock			adjacent to machine shop, reported old foundry wastes	1890's	no	*
2043	Woodstock			200 m. to Thames River and industrial bldgs., has industrial wastes	1950's	no	*
2044	Woodstock			on site commercial bldgs., old metal wastes reported	1950's	no	*
2045	Woodstock			on site house, 100 m. to Cedar Creek, still used illegally	-?	no	*
2006	Ingersoll			30 m. to shopping plaza, 100 m. to Thames River, under parking lot	1960	no	yes
2007	Ingersoll			10 m. to Thames River, adjacent silo bldgs.	?	no	yes

2008	Ingersoll Victoria W.	100 m. to houses, Thames River	1971	no	yes
2009	Ingersoll Thames R. & King St.	on Thames River, 2 streams on site, 45 m. to houses; effluent & leachate; has industrial wastes	1971	no	yes
2010	Ingersoll CNR-Wilson	30 m. to Thames River and industrial bldgs.	1961?	no	yes
2011	Ingersoll Thames & Wonham	adjacent to Thames River, has industrial wastes	1971	no	yes
2012	Ingersoll William & Thames	on site school playground, has industrial wastes	1945	no	yes
2013	Ingersoll Thames St. W.	open space at town limit	1940's	no	yes
2030	Ingersoll C. Rd. #9	Stelco Chemical Lime Works, in old quarry 42 m. deep, 100 m. to industrial bldgs., 500 m. to Thames River	1977	no	*
2031	Ingersoll Pemberton St.	CIL site, adjacent to industrial bldgs., filled pit	1936	no	*
2014	Tillsonburg John Pound Rd.	15 m. to OPP office, 30 m. to Otter Creek, leachate reported	1956	no	yes
2015	Tillsonburg Brock St.	on Stoney Creek (culvert), reported leachate and methane, adjacent bldgs.	1969	no	yes
2016	Tillsonburg Bloomer St.	adjacent to Otter Creek, under 100 m. to hydro station and gasoline station, reported leachate and methane	1970	no	yes
2017	Tillsonburg Bloomer St.	adjacent commercial bldgs., 90 m. to Otter Creek, reported leachate and gas odour	1970	no	yes
2040	Tillsonburg Tillson Ave.	Livingston Industries site, on site warehouse, ferrous and wood wastes	1971	no	*
2018	Blandford- Blenheim (former Blenheim)	old Bright dump, remote	1971	no	yes

2019	Blandford-Blenheim (former Blenheim) 16 5	swampy area with creek,	1970/1	no	yes
2020	Blandford-Blenheim (former Blanford) 1 7	300 m. to farmhouse, rusty surface water observed, on CA land	70's	no	yes
2021	Blandford-Blenheim (former Blenheim) 17 8	30 m. to house in swampy area	1962	no	*
2022	Blandford-Blenheim (former Blenheim)	300 m. to house and creek	1959	no	*
2023	Norwich Vill. Pitcher & Carman	adjacent to Otter Creek and house	1950's	no	yes
2024	Norwich Village Phebe St. S.	adjacent to Otter Creek, 100 m. to industrial bldgs.	1972	no	yes
2025	Norwich (former N. Norwich) 1 4	adjacent to pond, old gravel pit	1970	no	yes
2026	Norwich (former E.Oxford) 14 5	adjacent to house	1965	no	yes
2039	Norwich Vill. CIL	CIL fertilizer, small site of garbage incineration	?	no	*
2027	S.W. Oxford (former Dereham) 22 7	present transfer station, adjacent pond, creek; old site adjacent to more recent cert. site	1970	part	A071002
2028	Zorra (former W.Zorra) 14 5	adjacent to Thames N.Br., former Embro site	1973	no	yes
2032	Zorra (former N. Oxford) 23 4	several large pits, industrial wastes, leachate and well problems reported (Mugford Disposals)	1967/71?	no	yes

2035	Zorra (former W. Zorra) 1 3	Canada Cement quarry, dust and paper wastes, currently used	-	no?	*?
2033	Thamesford Brock St.	Beatty Farms site, adjacent to Thames River, greasy effluent (site may still be in use)	-?	no?	yes
2029	Beachville C. Rd. 11	adjacent to Thames River, roadside site	1964	no	*
2034	Beachville C. Rd. 9	Domtar Chemicals site, 30 m. 1960's to Thames River, Ca and kiln wastes		no	*
2036	Beachville Hwy. 2	Canada Cement Lafarge site (east site)	-	no?	*
2037	Beachville C. Rd. 9	Beachville Lime (Dofasco) site, quarry overburden and carbon black dump	-	no?	*

County of Perth (Gabriel Tobar, late June, 1979)

Perth is a largely agricultural county, with some manufacturing industries and food processors. The major urban centre is Stratford, with a population of 27,000.

All 16 municipalities were successfully contacted, and a total of 13 sites were identified. One was formerly certified, 9 were already known to MoE and three were newly identified.

The old sites in Perth appear to present few evident problems. Site 6046 in Mitchell is close to a river and houses, and sites 6041 and 6043 in North Easthope Township are near houses. Also, the three Stratford sites are close to development, but are well known. One (6031) is on the city limits, adjacent to the current certified site just outside the boundary.

The following industries were contacted, and none reported using sites on their own property, except as noted:

Stratford:

- Canadian Fabricated Products
- Festival City Fabricators
- Fram Canada
- Jones Manufacturing
- Kist Canada
- Korlin Ltd.
- Newhauser Poultry Div. of Robin Hood
- Perth Metal Industries
- Schwitzer Division, Wallace-Murray
- Standard Products
- Stratford Textiles
- Swift Canadian, Hatchery Division
- Stratford District Co-op
- United Cooperatives of Ontario

Blanshard Twp.:

- Campbell Soup
- Finnie Distributing - food washing wastes spread on adjacent lands (organic odour); NB conc. 30, lots 5&6

North Easthope Twp.:

- Chirima Iron Works
- Supersweet Feeds

South Easthope Twp.:

- Shakespeare Fertilizers (mixing operations only)

Wallace Twp.:

- Kurtzvilic Feed Mill (mixing operations only)

County of Perth, Site Listing

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
6027	Wallace			remote, old gravel pit	1962	no	yes
	58	3					
6028	Mornington			barn on site, near house	1960	no	yes
	6	4					
6029	Stratford			30 m. to warehouse	1940's	no	yes
	Park St.						
6030	Stratford			adjacent to Avon River, in	1958	no	yes
	Martin St.			park, 40 m. to houses			
6031	Stratford			40 m. to houses, adjacent	1966	no	yes
	Romeo St. St.			to current site, patchy			
				vegetation			
6039	N. Easthope			300 m. to farm bldgs.	?	yes	A150801
	8	6					
6041	N. Easthope			on bank of Nith River,	1971	no	*
	17	12		20 m. from houses in			
				Nithburg			
6043	N. Easthope			50 m. to house, old gravel	1974	no	*
	18	3		pit, former transfer station			
6044	St. Marys			100 m. to houses	1979?	no	yes
	Huron St. N.						
6045	Mitchell			300 m. to house, patchy	1970	no	yes
	Eleanor St.			vegetation			
6046	Mitchell			10 m. to Thames River,	1945	no	yes
	Herbert St.			20 m. to house			
6047	Logan			remote, old gravel pit	1972	no	yes
	30	13					
6048	Ellice			100 m. to house, store; old	1968	no	*
	11	1		gravel pit			

CHATHAM DISTRICT

County of Kent (M. Minden, G. Tobar, J. Thompson, early Aug., 1979)

The primary activities in Kent are agriculture, manufacturing, service industries and food processing. The major centre is Chatham, with a population of 40,000.

Of the 22 municipalities in the county, six were not contacted since time was short and they had replied earlier to the MoE that they contained no former waste sites. These are the Towns of Bothwell, Dresden and Wallaceburg; Villages of Highgate and Thamesville; Township of Zorra. It is unlikely that significant sites would be found there, since the towns and villages are of small extent and the reported information is undoubtedly valid.

While the rural sites were generally not problematic, with characteristics as noted in the site listing, industrial wastes are close to developed areas in Chatham, Tilbury and Camden. These sites are 2063, 2059 and 6074, respectively. It should also be noted that different informants gave varying information on the sites in Chatham, a situation which may warrant further follow-up

The following industries were contacted:

Chatham:

- Canada Dominion - Redpath Sugar - own site 2067 used as liquid settling basin
- Campbell Soup/International Harvesters - used site 2062 and others outside City (not spec.)
- Canadian Fram - scrap sold, solids and liquids to Ridge landfill via Kent Sanitation
- Cunningham Sheet - scrap wastes sold or to city sites (not specified)
- Daymond, Aluminum Div. - liquids neutralized, then to sewer; scrap sold; solids via haulier (Gold & Sons)
- Domtar Composite Cdn. Div. - own site 2066 used to 1970
- Elan Tool & Die - scrap to Gold & Sons; oils to Triple-S & Kent Sanitation
- H.J. Heinz - metal scrap sold; oils and solder dust to Gold & Sons
- King Grains - spent grains sold or burned, chemicals returned to supplier
- Libby McNeil & Libby - vegetable waste to farmers and landfill sites (e.g. Raleigh)
- Russell Tool & Die - only metal wastes, which are sold.
- Rockwell International - scale wastes to Gold & Sons, oil to Cochrane
- Saas Mfg. - scrap metal sold, paper to Sasso dump
- Sunnon Products - scrap metal via Dover Sanitation to scrap yard
- Darling Co. - liquids to McGregor's Creek to 1967, now to sanitary sewer

Moczik Tool & Die Works - scrap metal sold

Motor Wheel Corp. - scrap metal sold; compounds and oils earlier went to Ridge landfill site; oils & sludges to holding tank, hauled by Gold & Sons.

Industrial Metal Fabricators - scrap metal sold

Pinecrest Foods Div. of Maple Leaf Mills - all waste hauled by Rothay Concentrate

Lenover Bros. Custom Slaughtering - earlier, blood and solid wastes hauled; now to sewer after filtration

Skyline Farms - blood, feathers and offal wastes (site not spec.)

Ontario Steel Products - liquid wastes neutralized, then to sewer

Others:

W.G. Thompson & Sons, Blenheim - screenings sold to farmers, solids to Ridge landfill

Glazier Canning Co., Blenheim - liquid tomato wastes drained to Rondeau Bay, skins to farms, tins to munic. sites (unspec.)

General Hitch/Kyson Industrial, Ridgetown - own lagoon system on property (cyanide, zinc, chromates, acids, phosphates), solids to 5114

Wilson Wood Products, Wheatley - wood wastes burned

Weils Food Processing/Niagara Food Products, Wheatley - vegetable wastes to farms

County of Kent, Site Listing

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
2059	Tilbury			on site works bldgs., gas vented, industrial wastes evident and possibly recent (uncovered)	1970	no	yes
	NW of Hwy 2 & Queen St.						
2060	Tilbury			on site houses	1949	no	yes
	Odette Cr.						
2061	Chatham			adjacent to McGregor's Creek, ? former CIL Fertilizers, adjacent to old incinerator, used by Gold & Sons		no	*
	E. of King & Duke						
2062	Chatham			International Harvester on site	1967/9	no	*
	Richmond & Merritt						
2063	Chatham			adjacent houses, resthome; chemical wastes; used by Gold & Sons	1950	no	*
	Stanley Ave.						
2064	Chatham			near industrial bldgs. (Libby), under parking lot; used by Gold & Sons	1977?	no	*
	Byng Ave.						
2065	Chatham			adjacent to Thames River, 10 m. to houses	1940's	no	*
	Water St.						
2066	Chatham			under 100 m. to Domtar Can Div.	1970	no	*
	Richmond & Industrial						
2067	Chatham			on site housing (Crystal Estates), former Canada Dominion Sugar, part near Thames River	1966	no	yes
	Merritt & Riverview						
5088	Wheatley			10 m. to houses, adjacent to creek	1974	?	yes
	Moore St.						
5108	Harwich			150 m. to house	1969	no	yes
	10 1 ECR						
5113	Harwich			500 m. to house, adjacent to drainage ditch	?	no	*
	20 5						
5127	Harwich			rumoured site, on Rondeau Bay (may be clean fill)	1959?	no	*
	B 2 WCR						

5128	Harwich 12&13 2RT	adjacent to Thames River, not exactly located	?	no	*
5109	Blenheim McGregor Park	change rooms on site, houses adjacent	1954	no	*
5110	Oxford 3 5	small remote site	1964	no	yes
5111	Raleigh 10 10	remote, former Dispose-All Services	1968	no	*?
5112	Howard 100 STR	50 m. to house, in prov. park lands, on site drain	1969?	no	*
5114	Howard 12 2	said to contain industrial wastes	1972?	no	*
6067	Camden 4 3Gore	adjacent present incin- erator and transfer station, former Dresden dump, 100 m. to Sydenham River, on creek	1972	yes?	yes
6068	Camden 1 7 Gore	adjacent to Sydenham River, on CA lands	1971	no?	yes
6069	Camden 4 4 Gore	80 m. to small creek, 300 m. to farm bldgs.	1955	no	*
6070	Camden 3 4 Gore	adjacent to Sydenham River, 500 m. to house (Dresden)	1965	no	yes
6072	Camden 2 2	adjacent to Sydenham River,	1960	no	*
6074	Camden 13 A	100 m. to creek, 200 m. to house, oily wastes noted	1968?	no	*
6075	Camden 14 A	old Thamesville site, not exactly located	1952?	no	*
6071	Chatham Twp. 23 3 Gore	adjacent to Otter Creek, 200 m. to house, pond on site, still open for clean fill	-	yes?	yes
6073	Chatham Twp. 5 4 Gore	remoured machine shop wastes	1968?	no	*
6076	Dover 1 8	rural site	1972	yes?	yes

OWEN SOUND DISTRICT

County of Bruce (Gabriel Tobar, late Aug., 1979)

The main activities in Bruce are agriculture, tourism and seasonal recreation. There are no major urban centres, with three towns having between 4,000 - 5,000 population.

There are 31 municipalities in the county, of which 18 were contacted in the field. The other 13, smaller municipalities with low area population, had responded that they had no former sites to an earlier MoE request, and this information was confirmed with a telephone contact only. While we expect few important sites to have been overlooked because of this procedure, there may be a number of small sites or roadside dumps still unreported.

There was a total of 18 sites identified, of which 15 were already known to MoE. While a number of these sites, as noted by their characteristics in the site listings, are close to water or development, none posed evident problems.

County of Bruce, Site Listing

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
5142	Brant			300 m. to house	1971	no	yes
	11	9	NDR				
5143	Brant			Greenoch Creek on site, 300 m. to house	1971	no	yes
	6	3	SDR				
5144	Brant			old shack on site	?(old)	no	yes
	34	9	WDR				
5145	Brant			mostly clean fill, under end of airstrip	1974	no	yes
	65	2	NDR				
6091	Eastnor			old Lions Head dump	1950	no	*?
	26	6E					
6092	Eastnor			remote, some uncovered waste	1970	no	yes
	26	2W					
6093	Amabel			remote, on road allowance	1967	no	yes
	12	2					
6094	Southampton			200 m. to houses	1963	no	yes
	McNabb & South						
6095	Saugeen			adjacent to Saugeen River	1968	no	yes
	18	7					
6096	Kincardine Twp.			30 m. to Penetangore River, near current cert. site	1962	no	yes
	16	5					
6097	Huron			remote, old gravel pit	1960's	no	yes
	13	12					
6099	Huron			200 m. to South River, cottages	1960's	no	yes
	20	Lake Range					
6098	Ripley Vill.			on site house, parking lot, near medical centre	1940's	no	yes
	Tain St.						
6100	Kinloss			remote, CA land	1972	no	*?
	A	Range 3					
6101	Chesley Vill.			20 m. to houses	1970	no	*
	7th St. SW						
6102	Kincardine			adjacent to Penetangore River, under storage yard	1955	no	yes
	Park St.						

6103	Port Elgin Albert St.	on site housing	1920's	no	yes
6107	Port Elgin Elgin St.	100 m. to housing, adjacent to Mill Creek	1968	no	yes

County of Grey (Marilyn Minden & Judy Thompson, late Aug., 1979)

Grey County is largely devoted to agriculture, with some manufacturing industry in the towns. Owen Sound is the largest centre, with 20,000 population.

Of the 27 municipalities in Grey, six villages and five townships were not surveyed since they had responded to an earlier MoE request that they had no sites, and this information was believed to be reliable. Few important sites are likely to have been missed by this procedure.

Some 42 sites were identified, with only 5 being newly identified. All of the remainder were known to MoE, with 3 being certified. Generally, the rural sites were unproblematic, with characteristics as noted in the listings, although sites 2096 and 2100 in Holland Township have houses on site and 2091 in Clarksburg is relatively close to several homes.

In Owen Sound, several of the sites have been monitored for gas emissions in residential areas or for leachate in springs near the Niagara Escarpment. The following municipalities were not contacted directly because replies from the 1978 survey carried out by the Owen Sound MoE office indicated they had no sites, and this information is believed to be reliable.

Village of Chatsworth
Village of Dundalk
Village of Flesherton
Village of Markdale
Village of Neustadt
Village of Shallow Lake
Township of Egremont
Township of Normanby
Township of Osprey
Township of Proton
Township of Sarawak

Industries contacted were:

Amarock, Meaford - hazardous liquids formerly to 6081 (Lambton),
now to Tricil; other liquids filtered, then to
sewer
Black-Klassen Kennedy, Owen Sound - formerly used 2079 for foundry
sand and slag

County of Grey, Site Listing

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
2077	Owen Sound	17 St.E. & 2 Av. E		adjacent to Georgian Bay, on site Allied Chemical storage	1946	no	yes
2078	Owen Sound	19 St.E. & 8 Av E.		former quarry, now ball diamond near sport centre; large, regularly monitored	1953	no	yes
2079	Owen Sound	24 St.E. & 3 Av. E		adjacent to bay, 60 m. to houses	1952	no	yes
2080	Owen Sound	19 St.E. & 9th Av E		on site service bldgs., now park, former methane problem	1958	no	yes
2081	Owen Sound	5 St.A. & 2 Ave. N.		adjacent to theatre and houses, on Sydenham River	1955	no	yes
2082	Owen Sound	7 St. E. & 7 Av. E		on site houses	1955	no	yes
2083	Owen Sound	Victoria Park		adjacent to racetrack, near structures	1956	no	yes
2084	Owen Sound	18 St. E. & 7 Av. E.		former quarry, adjacent homes, leachate monitored	1959	no	yes
2085	Owen Sound	18 St. E. & 9 Av. E.		former quarry, adjacent animal control bldg., gas monitored	1970	no	yes
2086	Owen Sound	19 St. E. & 8 Ave. E.		former quarry, adjacent garage, nearby houses	1950	no	yes
2087	Meaford	Berry St.		on site Legion Hall, parking lot, adjacent senior citizens home	1929	no	*
2088	Meaford	Coleman St.		near creek, 200 m. to house	1910	no	yes
2089	Meaford	Fuller St.		adjacent to Georgian Bay, old warehouse, metal wastes on site	1940's	no	yes

2090	Thornbury King & Lansdowne	12 m. to Little Beaver Creek, 100 m. to house	1969	no	yes
2091	Collingwood Twp. 30 11	20 m. to Beaver River, 100 m. to houses	?	no	yes
2092	Collingwood Twp. 26 9	300 m. to house	1974	yes	261402
2093	Sydenham 15 9	small site	?	no	yes
2104	Sydenham 22&23 7	small site	?	no	yes
2105	Sydenham 12 5	small site	?	no	yes
2106	Sydenham 22 6	small site	?	no	yes
2107	Sydenham 29 1	small site	?	no	yes
2108	Sydenham 15 9	small site	?	no	yes
2094	Derby 6 2	150 m. to house	1969	no	yes
2095	Euphrasia 12 5&6	recent transfer station, posted no trespassing	-	yes	261701
2096	Holland 31 2	house on site (in Holland Centre)	1971/3	no	*
2097	Holland 10 1W	swampy site, 300 m. to house	1971	yes	261902
2098	Holland 18 1E	100 m. to house (Williams- ford)	1971	no	*
2099	Holland 61 1W	adjacent to Mulock Stream	?	no	yes
2100	Holland 5 12	adjacent to Walters Creek, house on site	?	no	yes
2101	Keppel 41 22	CA land, small remote dump, inaccessible	1971/2	no	*
2102	Keppel 5 Georgian R.	small household dump, west of lot (inaccessible)	?	no	*

2103	Sullivan 20 7	adjacent to creek, 300 m. to house	1970's	no	yes
5146	Durham Lambton St.	adjacent to houses, old grave] pit	1960	no	yes
5147	Durham Bruce & Durham	adjacent to house, swampy	1955	no	yes
5148	Bentinck 1 9	200 m. to house	?(old)	no	yes
5149	Bentinck 25 5	adjacent to Rocky Saugeen R., 150 m. to restaurant	1971	no	yes
5150	Bentinck 11 1N	200 m. to house, old Hanover site	1959	no	yes
5151	Hanover 7th A & 10th St.	apartment bldgs. on site	1940's	no	yes
5152	Hanover Hanover Park	in park, near swimming pool and river	1940's	no	yes
5153	Glenelg 12 6	adjacent to creek, 50 m. to house	1974	no	yes
5154	Artemesia 171 1 ETSR	200 m. to house	1972	no	yes
5155	Artemesia 135-6 2 WTSR	250 m. to farm bldgs., stream in immediate area	1960	no	yes

County of Huron (Judy Thompson, late Aug., 1979)

Huron is a predominantly agricultural county, with a considerable amount of seasonal tourism. There is some light industry, mainly in Goderich, the largest town.

Of the 26 municipalities, four small towns (Clinton, Exeter, Hensall, Zurich) the Village of Brussels and the Townships of McKillop and Usborne had earlier indicated to MoE that they contained no former waste sites. Since time was short and the information was believed to be reliable, these municipalities were not contacted. In the remaining 19 municipalities surveyed, 29 sites were identified. Only four were newly identified, with the others being known to MoE; six were certified formerly.

While the site characteristics show several are located near water or development, few problems were evident and local informants expressed few concerns.

County of Huron, Site Listing

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
2069	Goderich Maitland & Walnut			adjacent to Maitland River, 50 m. from D _Q tar Salt plant	1960's	no	yes*
2070	Goderich (former Goder- ich Twp.) 2 1			adjacent to Lake Huron and sewage treatment plant	1954	no	yes
2071	Ashfield 1 Front			levelled area near trailer park	1971-2	no	yes
2072	Ashfield 9 4			near Lucknow Creek	1971-3	no	yes
2073	Colborne 1 2 WD			25 m. to stream, 200 m. to house	1971	yes	161201
2074	East Wawanosh 39 13			former Wingham dump	1972	no	yes
2075	Goderich Twp. 80 Maitland			100 m. to Maitland Creek	1964	no	yes
2076	West Wawanosh 20 3			100 m. to swamp, some fresh dumping	-?	no	yes
5130	Stanley 4 B&C			former Bayfield, MacDonald's Sanitation site	1975	yes	162101
5131	Stanley 4 D			earlier Bayfield dump	1954	no	*
5132	Tuckersmith 12 3			50 m. to house, Bayfield	1960's	no	*
5133	Tuckersmith 46&47 2			125 m. to apartment bldgs.	1971	no	*
5134	Tuckersmith 8 1			100 m. to house, former Seaforth dump	1930	no	yes
5135	Tuckersmith 11 3			adjacent to Bayfield River, houses; reported still open for clean fill	-	no	*
5136	Stephen 23 N.Bd.			150 m. to house	1964	no	yes

5137	Stephen 3 5	300 m. to house, former MacDonald's Sanitation site, small pond on site	1973	yes	162101
5138	Stephen 5 4	adjacent to Hicks Creek, on ODC property	1970's	no	yes
5139	Stephen 11 5	50 m. to Hicks Creek, 75 m. to house	1950's	no	yes
5140	Hay 16 11&12	adjacent to creek, former Zurich site	1970	yes	161504
5141	Hay 15 7	remote site	1970	no	yes
6082	Howick 25 17	400 m. to house	1966	yes	161601
6083	Howick Park lot 8 Vill. of Gorrie	60 m. to house	1968	no	yes
6084	Grey 23 6	200 m. to barn	1970	no	yes
6085	Morris 52 1	100 m. to barn	1968	no	yes
6086	Morris 5 6	remote, old gravel pit	1967	no	yes
6087	Morris 29 5	former Brussels site	1972-4	no	yes
6088	Hullett 21 14	50 m. to house, former Hullett and Blyth site	1969	no	yes
6089	Hullett 24 2	100 m. to barn, former Clinton site, some present use	1971	no	yes
6090	Turnberry 52 1	400 m. to house	1971	yes	162301

SARNIA DISTRICT

County of Lambton (Judy Thompson, mid-Aug., 1979)

The County of Lambton has considerable agricultural production, and there is a heavy concentration of petroleum and chemical processing industry in Sarnia.

Of the 21 municipalities, six villages (Forest, Petrolia, Alviston, Arkona, Grand Bend and Oil Springs) and Wyoming Township had replied that they had no former waste sites within their limits in response to an earlier MoE survey. This information was considered to be reliable and these municipalities were not further contacted in order to conserve time for some industrial coverage in Lambton.

Some 21 sites were identified, of which all but two were known to MoE. In the rural areas, sites were generally small and dispersed. Site 6081 in Moore Township is an exception, being the large industrial waste site known as Goodfellow's.

In Sarnia and adjoining Point Edward, all sites are close to buildings. The Sarnia Fire Department has tested sites 5116, 5117, 5118 and 5120 in July 1978 for methane, and had negative findings.

The following industries were contacted:

- Allied Chemical - no longer operative, solid wastes to Tricil
- Cabot Carbon - formerly sent carbon black to Watford via Superior Sanitation, used own slurry pits 1953-63, then site 6081; now to Tricil
- CIL - formerly used certified ponds and 2 deep wells (lot 2, con. 15 Sombra) for ammonium contaminated condensate
- Chinook Chemicals - formerly used own property for ridge and furrow, then lagoons
- Custom Machine & Metallizing - scrap metal to salvage yard, oils reused
- Dow Chemical - formerly used two owned certified sites; prior to 1970, Hg discharged to St. Clair River; chlorinated hydrocarbons formerly to Scott Rd.
- Dupont - certified sites used (lots 26&27, Con. 10, Moore)
- Esso Chemical-IOEC - incinerated wastes formerly on own property, ashes to Pt. Edward site (not specified)
- Imperial Oil Enterprises - used certified site in Sarnia and 5 deep wells (lot 11, R 2, Sarnia Twp.) to 1973; oily waste to 5120
- Fibreglass Canada - formerly used certified site, lot 1023, in Sarnia; now to Watford
- Holmes Foundry - formerly used site 5121
- Holmes Insulation - mineral wool wastes to cert. site (lot 22, con 12, Moore)
- K & E Sand and Gravel - used cert. site (lots 47-51, Front Conc. Sarnia Twp)

Mueller Ltd. - metal wastes to salvage yards
Ontario Hydro - fly ash site (cert.) on lots 15-18, Front Conc., Moore
Pfizer Co. - only warehouse operation
Shell Canada - leaded gasoline sludge to cert. site and 5 deep wells,
lots 28,68-9-70, Front Conc. Moore (to 1972).
Sunoco - used 2 cert. sites (17, RR, Moore), deep well (lot 17,
RR, City)
The Right Company - cert. site used (lot 12, con. 12)

Moore Twp.:

Ethyl Corp. - used own site 2068, 1956-64, since excavated to 6081

County of Lambton, Site Listing

<u>Site#</u>	<u>Location</u>			<u>Remarks</u>	<u>Closed</u>	<u>Status</u>	
	<u>Twp.</u>	<u>Lot</u>	<u>Conc.</u>			<u>Cert.</u>	<u>MoE files</u>
2068	Moore			Ethyl Corp., site report- edly excavated	1964	no	yes
	66	River	Front				
6081	Moore			former Goodfellow industrial waste site	1970	?	yes
	26	11					
5017	Point Edward			50 m. to housing, in open space	1930	no	yes
	Michigan & CNR						
5018	Point Edward			commercial bldgs. on site	1971	no	yes
	Michigan & Kendall						
5119	Point Edward			25 m. to museum, 50 m. to Chipican Lake, in open space	1966	no	yes
	Michigan & Christina						
5115	Plympton			not surveyed	1972?	?	yes
	12	4					
5129	Plympton			not surveyed	?	?	yes
	17	5					
5116	Sarnia			adjacent to houses	1952	no	yes
	Agincourt Park						
5117	Sarnia			houses on site	1953	no	yes
	Murphy & Erroll						
5118	Sarnia			15 m. to houses	1955	no	yes
	Newton Park						
5120	Sarnia			houses on site	1930's	no	yes
	Rayburne & Lincoln Pk.						
5121	Sarnia Twp.			houses on site, former Holmes Foundry & Twp. site	1967	no	yes
	46&47	9					
5122	Sarnia Twp.			400 m. to farmhouse	1971	no?	yes
	15	4					
5123	Bosanquet			500 m. to house	1971	no	yes
	17	1					
5124	Bosanquet			former Thedford site, 10 m. house	1966	no	yes
	18	2					

5125	Warwick 16 1 NER	500 m. from farm bldgs.	1973	?	yes
5126	Warwick 19 4 SER	behind cemetery	1971	?	yes
6077	Brooke 20 5	400 m. to farmhouse, also used by Alvinston	1938	no	*
6078	Euphemia 29 4	adjacent to Sydenham River	1968	no	yes
6079	Dawn 22 14	100 m. to Sydenham River	1972	?	yes
6080	Sombra 2 5	not exactly located	1969	no	*

WINDSOR DISTRICT

County of Essex (M. Minden, G. Tobar, J. Thompson, late July, 1979)

Both agriculture and manufacturing are prominent in Essex, with the major industrial concentration in Windsor, population 200,000.

All of the 23 municipalities in Essex were contacted, with 44 sites identified. Of these 12 were newly identified, four were formerly certified and the remaining 28 were otherwise known to MoE.

As the primary industrial centre of long standing, the Windsor sites may have significant amounts of industrial wastes. All are close to development or are built upon, and some emit gas. Site 6056 may be most problematic due to its large size, but 6055, 6057, 6050 and 6052 are also large. It was difficult to obtain data on the composition of waste in old sites in Windsor. Two sites, 5098 in Malden and 5093 in Kingsville, exhibited leachate problems. Site 2046 in Belle River has uncovered junk wastes and 2047 in the Town of Essex has uncovered garbage, as does 2051 in Maidstone.

Some of the many industries in the City of Windsor were contacted. However, only two industries (Ford Motor Co. of Canada and Amchem Products Inc.) reported sites (6066, 6052 and 6065) on their own properties. Most of the industries reported that their waste went either to the Municipal sites or to the Detroit River, carried by contracted haulers. The industries contacted were:

Windsor:

- Ace Paint Finishers Limited
- Amchem Products, Inc.
- Armor Paint Ltd.
- Bachan Aerospace of Canada Limited
- Bendix Automotive of Canada Ltd.
- Budd Heat Treating Limited
- Canadian Rock Salt Co. Ltd.
- Champion Spark Plug Co. of Canada Ltd.
- Chrysler Canada Ltd.
- Colonial Tool Co. (Division of Excello Corp. of Canada)
- Commercial Printing Company
- Conklin Lumber Co. Ltd. (Windsor center)
- Crescent Tool and Die Ltd.
- Curtis Company Ltd.
- Dainty Foods Ltd.
- Delisle Ice and Coal Co.
- Dominion Auto Accessories Ltd.
- Dominion Forge Company Ltd.

Dominion Twist Drill Ltd.
Dresser Electric Ltd.
E.W. Metal Works Ltd. Empire Welding and Mfg.
Edgewind Sales and Mfg. Ltd.
Empress Foods Ltd.
Emrick Plastics Ltd.
Essex Stamp Co. Ltd. Div. of Sterling Marking Products Ltd.
Flag Fire Equipment Ltd.
Forbys Management Limited
Ford Motor Company of Canada Ltd.
General Motors of Canada Ltd. Transmission Plant
General Motors of Canada Ltd. Trim Plant
Globe Sheet Metal Company Ltd.
Goodwill Industries of Windsor Incor.
Greco J. Aluminum Inc.
Harrow News Publishing Co.
Hawker Industries Ltd.
Heinz H.J. Co. of Canada Ltd.
Holland Chemicals Ltd.
Industrial Models Ltd.
Inmont Canada Limited
International Tool Co. (1973) Ltd.
Jamieson, C.E. and Co. (Dominion) Ltd.
Jay Zee Food Products Inc.
Kovinsky, J. and Sons Limited
Lamb. F. Jos., Co. (Canada) Limited
Lawrason, S.F. and Co. Ltd.
Lens Tool and Mould Ltd.
Lowry Textile Co. Limited
MG Salami and Sausage Company Ltd.
MacDonald and White Varnish and Paint Co. Ltd.
MacVicar Russell Ltd.
Maedel's Beverages Ltd.
Mailloux, Raymond A. and Sons Limited
McInnis Equipment Limited
McLain Industries
Moncur Electric Motors Ltd.
Murphy, J.E. Sheet Metal Co. Ltd.
Olsonite Company Limited
Perfection Automotive Prod. (Windsor) Ltd.
Pigeon Fisheries Inc.
Polymetals Limited
Promo Products (Div. of Binder Tool and Mold Ltd.)
Rayco's Stamping Products Limited
Redoe Mold Co. Ltd.
Riverside Fisheries Ltd.
S.K.D. Manufacturing Co. Limited
Safety Supply Company
Sapoline Company Limited
Scherer, R.P. (Canada) Div. of Scherer G.C. Ltd.
Somerville Ind. Ltd.
Standard Induction Castings Limited
Steel Master Tool Company Limited

Sumner Press
Syl-Hy Chemicals Ltd.
Tamco Limited
Teal Manufacturing Ltd.

Other:

Allied Chemical, Amherstburg - used own sites 5103 and 5104 adjacent to present lagoon; prior to 1957, all liquids dumped into river; solid wastes to Tricil for 15 years
SKD Manufacturing, Amherstburg - solid wastes burned up to 1965, then hauled by Sasso Disposal; liquids hauled by another company (not specified)
Canadian Cannery, Leamington - reported to always have used County Landfill site #2 (presently cert.)
H.J. Heinz, Leamington - have used 5091 and County #2
Empress Foods, Ruthven - liquids to own lagoon, soon to close, used for spray irrigation; solids to County #2
Omstead Fisheries, Mersea Twp. - site 5089 previously used for fish wastes
Green Giant, Tecumseh - high starch liquids to aerated lagoon, formerly to Lesperance Drain; solids sold to Miracle Feeds

County of Essex, Site Listing

Site#	Location			Remarks	Closed	Status	
	Twp.	Lot	Conc.			Cert.	MoE files
2046	Belle River			200 m. to house CPR n r. South St.	1973?	yes?	yes
2047	Essex			on site works bldg. Forest Ave.	1965	no	yes
2048	Tecumseh			20 m. to houses Clarice Rd.	1960	no	yes
2049	St. Clair Beach			former drive in theatre site, opposite proposed Manning & St. Gregory commercial	1946	no	yes
2050	Maidstone	15	4	on site dog pound, adjacent to current site	1971	yes?	yes
2051	Maidstone			roadside dump adjacent to creek, 50 m. to house, Cada W. Pike Creek Enterprises, some dumping continues	-	no	*
2052	Sandwich West			600 m. to house, under hill Brunet Park in park	1971	no?	*
2053	Sandwich West			adjacent to Detroit River, Front Rd. 360 m. to houses, Bondy dump	1968	no	yes
2054	Sandwich South			not exactly located, pro- posed residential devel., Shaunee & Hwy 2 used by Ford	1965	no	*
2055	Sandwich South			old gravel pit Hwy 3 & Sexton SR	1966	no	*
2056	Tilbury North	21	6	not located exactly	?	?	yes
2057	Tilbury North	12	2	remote, some metal wastes	1971	no?	yes
2058	Tilbury West			500 m. to house Ford St. (Comber)	1971	no	yes
5089	Mersea	17	6	200 m. to Omstead Fisheries	1970's	nno	yes
5090	Mersea	1&2	5	on site trailer park, adjacent water filled gravel pit	1970	no	yes

5091	Mersea 1 2	30 m. to houses	1969	no	yes
5092	Kingsville Palmer & Pr. Albert	100 m. to houses	1969	no	yes
5093	Kingsville Hwy. 18A	adjacent to Mill Creek, 20 m. to houses, leachate observed	1959	no	yes
5094	Anderdon 14 4	may be adjacent to River Canard, not exactly located	1969	no	yes
5095	Anderdon 14 4	50 m. to River Canard and marsh	1957	no	yes
5096	Anderdon 6 3	25 m. to house, 100 m. to drain	1946	no	*
5103	Anderdon Hwy 18	Allied Chemical plant site, lagoon adjacent (on E.)	?	no	*
5104	Anderdon Hwy 18	Allied Chemical plant site, lagoon adjacent (on W.), 50 m. to plant	1969	no	*
5097	Amherstburg Pickering St.	apartment bldgs. on site, 50 m. to canal	1960's	no	yes
5098	Malden Hwy 18 & Con.3	adjacent to house, possible leachate observed	1970	no	yes
5099	Point Pelee Nat. Park	50 m. to garage & marshes	1960's	no	*
5100	Colchester So. 12 4	adjacent to Richmond Drain	1969	no	yes
5101	Colchester So. 71 1	100 m. to house	1969	no	yes
5102	Colchester So. Gore 11&12 5	adjacent to Richmond Drain, inaccessible	1969	no	yes
5105	Colchester No. 9 8	adjacent to houses	1969	no	yes
5106	Pelee Island lot 30	adjacent to Lake Erie, roadside site	1973	no	yes

6052	Windsor Little River Rd	300 m. to river, used by Ford	1950's	no	yes
6055	Windsor Tecumseh Rd.	400 m. to developments	1973	yes?	yes
6056	Windsor Malden Rd.	10 m. to drain, 200 m. to houses, industrial wastes	1973	yes?	yes
6057	Windsor Russell St.	adjacent to Detroit River, fuel storage area on site	1956	no	yes
6058	Windsor Sandwich St.	100 m. to tavern, Hydro property	1953	no	yes
6059	Windsor Russell St.	adjacent to Detroit River, opposite development	1952	no	yes
6060	Windsor Little River Rd.	50 m. to Little River, 80 m. to house, odours reported	1967	no	yes
6061	Windsor Russell St.	50 m. to Detroit River, house, open for clean fill	1955	no	yes
6062	Windsor Dieppe Ave.	80 m. to Detroit River, mixed development on site, gas reported	1952	no	yes
6063	Windsor Giles Blvd. E.	mixed development on site	1910?	no	*
6064	Windsor Charles St.E.	30 m. to houses	1945	no	*
6065	Windsor Walker Rd.	adjacent to Amchem Products, lagoon reported on site	-?	no	*
6066	Windsor E.C. Row Av.E.	potential Ford Plant site	?	no	*